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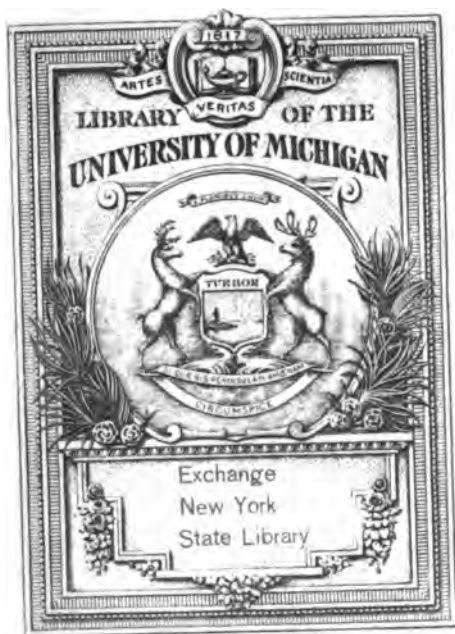
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ONE HUNDRED AND FORTY-THIRD SESSION

1920

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1920

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STATE OF NEW YORK

R E P O R T

OF THE

Superintendent of Public Works

ON THE

CANALS OF THE STATE

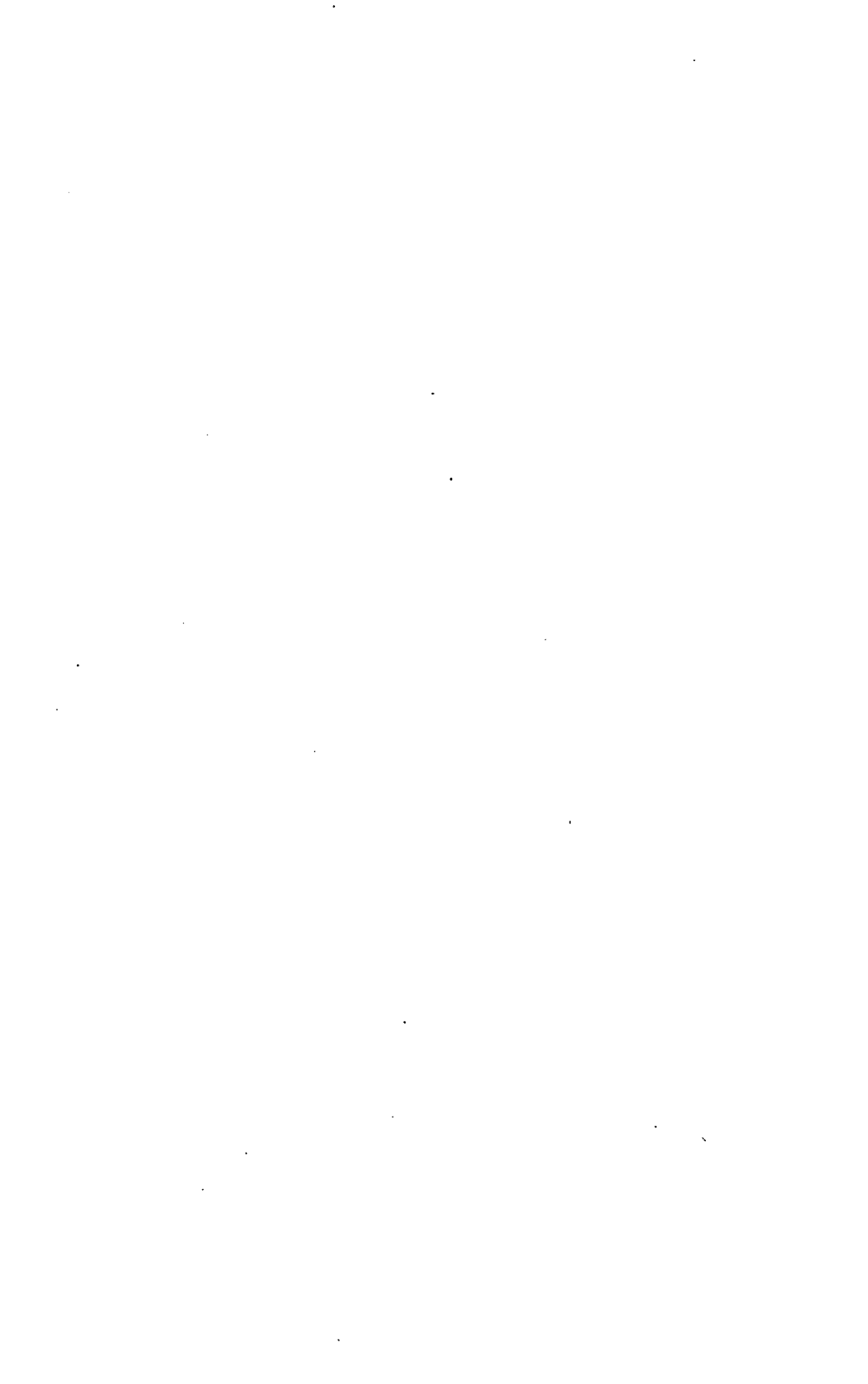
For the Year Ended June 30, 1919

AND ON THE

**TRADE AND TONNAGE OF THE CANALS FOR THE
YEAR 1919**



**ALBANY
J. B. LYON COMPANY, PRINTERS
1920**



REPORT OF THE SUPERINTENDENT OF PUBLIC WORKS

STATE OF NEW YORK

OFFICE OF SUPERINTENDENT OF PUBLIC WORKS

ALBANY, January 15, 1920.

To the Honorable, the President of the Senate, and to the Honorable, the Speaker of the Assembly:

SIRS.— In accordance with the provisions of Chapter 13 of the Laws of 1909, known as the Canal Law, I have the honor to submit to you herewith a report of the trade and tonnage transported upon the canals of the State during the season of navigation of 1919, with a statement of the condition of the waterways and the work and improvements connected therewith; also, as to the improvements and repairs made and contemplated during the past year.

I also present the financial report of the department, setting forth the amount of moneys received and expended during the year 1919.

In the report will be found a description of the progress made under the Canal Improvement and Terminal Projects, and of the work authorized by special acts.

Recommendations as to desired legislative action regarding matters connected with the canal are made and the affairs of the State connected with its waterways are generally discussed.

EDWARD S. WALSH,
Superintendent of Public Works.



REPORT

OFFICE OF THE SUPERINTENDENT OF PUBLIC WORKS

ALBANY, January 2, 1920.

To the Honorable, the President of the Senate, and to the Honorable, the Speaker of the Assembly:

SIRS.—I submit herewith pursuant to the provisions of Chapter 13 of the Laws of 1909, known as the Canal Law, a report of the trade and tonnage transported upon the canals of the State during the season of navigation of 1919; as to the condition of the canals and the work and improvements connected therewith; as to the improvements and repairs made and contemplated during the past year; and the financial report of the department showing the amount of moneys received and expended during the year 1919. In the report will also be found a discussion of matters coming under the jurisdiction of the department, with recommendations concerning the waterways of the State, all of which is presented to you for your consideration.

SCOPE

I give you below a list of the various topics discussed in the report:

Trade and Tonnage:

- Traffic on the various canals.
- Classification of traffic.
- Analysis.

Transportation Facilities:

- Boats.
- Private operations.
- Common carrier service.
- Extent of federal control; barges and rates.

Operation of New Type Barges.

Activity of the Traffic Bureau.

Federal Legislation Affecting Canal Commerce.

The St. Lawrence Canal Project.

Necessity of Terminal Grain Elevators.

State Canal Towing.

Enforcement of Laws Compelling Rail Connections at Terminals.

Navigation:

Conditions prevailing in 1919.

Channel lights and buoys.

Canal Maintenance Equipment:

Floating plant.

Equipment for protection of locks.

New repair shops.

Dry docks.

Grain elevators.

The Canal Terminals in New York City:

Piers 5 and 6, East river, New York.

Mott Haven, borough of Bronx.

Long Island City, borough of Queens.

Greenpoint, borough of Brooklyn.

Gowanus Bay, borough of Brooklyn.

Halletts Cove, borough of Queens.

Flushing, borough of Queens.

Canal Terminals Outside of New York City:

Location and equipment.

Terminal Rules and Regulations.

The Prize Lock.

Schenectady-Scotia Bridge.

Acquisition of the Hudson Bridge.

Construction Contracts:

Barge Canal work.

Terminal construction.

Work under special acts.

Contracts completed.

Bridges Spanning Abandoned Canals.

Important Canal Repairs Progressed.

Black River Canal Improvement.

Condition of Bridges.

Surplus Canal Waters.

Old Canal Through Utica.

Bureau of Appraisal and Claims.

Bureau of Navigation.

Federal Jurisdiction of Canal Navigation.

Moneys Collected.

Additional Duties of Superintendent of Public Works,

Conclusion,

TRADE AND TONNAGE

TOTAL TRAFFIC

During the 1919 season of navigation, the aggregate tonnage carried on all divisions of the canal system was 1,238,844 tons. The several divisions participated in the traffic to the following extent:

DIVISION	TONS
Erie	842,164
Champlain	363,699
Oswego	15,888
Cayuga-Seneca	12,252
Black River	4,841

DISTRIBUTION OF TRAFFIC

The total tonnage for the season was distributed as follows:

	<i>Erie</i>	<i>Champlain</i>	<i>Oswego</i>	<i>Cayuga-Seneca</i>	<i>Black River</i>
East	339,025	253,499	9,367	12,252	4,705
West	503,139	110,208	6,521	.....	136
Through	279,134	210,574	1,894	2,843	.....
Local	563,030	153,125	13,994	9,400	4,841
Through East	198,507	135,134	.....	2,843	.....
Through West	80,627	75,440	1,894	.....	.....
Local East	144,015	119,411	9,369	9,400	4,705
Local West	409,315	33,714	4,627	.....	136

CLASSIFICATION OF TRAFFIC

Elsewhere in this report there are published detailed tables of commodities transported. Herewith I submit a summary showing the classification of the traffic by six main groups:

CLASSIFICATION	TONS
Products of manufacture	203,307
Products of animals	786
Miscellaneous products	63,939
Products of agriculture	184,899
Products of the forest	194,807
Products of the ground	591,106

COMPARISON OF TRAFFIC WITH 1918

The total commerce of 1919 exceeded the business of the preceding year by nearly 80,000 tons, an increase of about 7 per cent. Traffic on the Erie Division gained about 175,000 tons, or approximately 25 per cent, while the Champlain Division business slumped over 70,000 tons, decreasing 16 per cent. The Oswego Division showed a loss of 28,773 tons; the Black River business remained practically the same as in 1918, and the Cayuga-Seneca traffic increased 4,743 tons.

The loss or gain for 1919 by the main groups was as follows:

CLASSIFICATION	GAIN	LOSS
Products of manufacture.....	121,903	.....
Products of animals.....	110	.....
Miscellaneous products .....	.....	14,001
Products of agriculture.....	75,793	.....
Products of the forest.....	97,907
Products of the ground.....	6,324
<hr/>		
Total	197,806	118,232
Net gain	79,574	
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The specific commodities showing an increase in tonnage were:

COMMODITIES	TONS
Iron and steel products.....	23,726
Petroleum and products.....	31,747
Cement	21,372
Chemicals and fertilizer.....	15,809
Ice	14,856
Oats	52,160
Rye	55,344
Barley	13,422
Flaxseed	18,315
Miscellaneous forest products.....	11,723
Clay	19,614
Miscellaneous products of the ground,	17,586

The principal commodities decreasing in tonnage volume were:

COMMODITIES	TONS
Salt	6,577
Wheat	42,191
Flour	16,320
Lumber	94,077
Coal	52,975

ANALYSIS OF TRAFFIC

The significant feature of the 1919 season was the splendid increase in commerce on the Erie Division. The decline of canal traffic for the last decade or more has been reflected in the commerce on the Erie Division to a greater degree than on any other. The Erie route is excellently situated to participate to a great extent in the tremendous tonnage moving between the Niagara frontier and tidewater, but of late years it has practically ceased to be a factor in that trade. The increase of 1919, therefore, may be accepted as evidence that the Erie Canal is again beginning to exert an influence in the normal east-west commerce.

A revision of the method of compiling tonnage statistics makes it difficult to show definitely in what manner the Erie tonnage increased over the preceding year. An outstanding feature, however, was the considerable gain in commodities of the higher class, manufactured articles and the like. While the bulk of this traffic moved to and from the intermediate ports such as Schenectady, Rochester and others, considerable package freight business, moving to Buffalo and Lake ports west thereof originating throughout New England and in New York City was developed. In fact, the conditions obtaining the last four or five years, due to the war, whereby comparatively little west-bound business was available, has now been remedied in part and one of the greatest deterrents to the development of canal commerce has been practically eliminated. A comparison of the east and west tonnage with the 1918 record shows the west-bound business in 1918 was but 20 per cent of the whole, whereas in 1919 it was practically 50 per cent.

Much use was made of the waterway by the steel interests of Buffalo in the shipment of iron and steel through New York for export. The experience of 1919 was such that extensive development of this character of business is certain in the future.

Local traffic on the Erie Division held up well, and although the through business increased considerable disappointment was felt in the relatively light grain business. It is true, the grain traffic materially advanced over 1918, but not to the extent that had been anticipated. In view of the bumper grain crops the country had produced, every indication pointed to an unprecedented lake grain traffic to Buffalo. The contrary developed, and the 1919 Lake grain receipts at Buffalo were below the hundred million bushel mark for the first time in nearly twenty years. This condition was naturally reflected in the canal grain traffic. The explanation of the situation is the government control of both the grain crops and of the rail transportation systems of the country. By virtue of such joint control, government authorities were enabled to divert much of the grain usually routing to seaboard by the Lake-Canal route, to the all-rail routes, on the plea that the quicker though costlier rail service better served existing trade requirements. I endeavored to dissuade the government from such a policy as to the movement of grain from Buffalo to New York, urging a maximum utilization of the canal route, but was unsuccessful. It will be apparent, however, that the relatively light canal grain traffic resulted from artificial causes and under normal commercial conditions the waterway would have enjoyed a banner year of grain traffic.

On the Champlain Canal the decrease in tonnage was almost entirely in the through lumber traffic moving between Canadian ports and New York City. It is understood the decline in this traffic was occasioned by the restricted lumbering operation carried on in the Canadian timber lands. The light lumber traffic caused the withdrawal of many boats from the service, and in this manner the usual commodity carried on return trips on this division — coal — also shows a decrease. The local Champlain tonnage, however, held its own, in fact, gained in volume somewhat, so that had the normal lumber tonnage developed the

season's total on all canals would have been increased an additional 100,000 tons.

Conditions on the Oswego, Cayuga-Seneca and Black River Divisions show no appreciable change. The Oswego Division local traffic in building materials, such as sand, stone and gravel, was less than heretofore. The decrease was due to the suspension of operations at many of the local producing points. On the Cayuga-Seneca Division an encouraging increase in the salt tonnage from Watkins and Ithaca was recorded and greater activity in the movement of such tonnage is expected next season. Also considerable quantities of cement were shipped from Cayuga Lake and the central location of this source of cement supply promises well for the development of the cement traffic from this division to canal ports between the Hudson River and Lake Erie.

On the whole, the season's tonnage was satisfactory. In view of the traffic decline of the last decade or more, averaging nearly 15 per cent annually, the 7 per cent increase of 1919 augurs well for the future. I construe it as indicative of a reawakening of interest among shippers in canal transportation, and I feel the waterway is at last proving to commercial interests that it is an efficient and economical means of transportation, despite even the inadequacy of the available boating equipment. The steel strike, the coal strike, and labor troubles in New York Harbor, all affected the canal tonnage. Nevertheless, an increase in commerce was made for the first time in many years and I believe the danger mark has been passed. From now on I look for a gradually increasing annual tonnage until the maximum is reached.

TRANSPORTATION FACILITIES

BOATS:

There were 727 barges of all descriptions engaged in trade on all divisions of the system. Three hundred and twelve plyed the Erie Division and its lateral branches, the Oswego, Cayuga-Seneca and Black River, and 415 navigated the Champlain Division. Except for a few so-called "new" type barges, the boats

in service were the old Erie Canal, or "240 ton" type. The activity of these barges during the season was as follows:

	ERIE	CHAMPLAIN
Total trips	2,698	1,923
Trips light	970	621
Trips loaded	1,728	1,302
Total miles	532,255	88,213
Miles light	138,296	25,096
Miles loaded	393,959	63,117
Average miles per trip.....	197.3	45.8
Average days per trip.....	7.2	4.2
Average miles per day.....	27.1	10.8

A comparison with the 1918 season shows there was greater efficiency in the 1919 operations. On the Erie Division, while there were 81 less barges in service, 178 more trips were made, and the average time in transit per trip was three days less than in 1918. The Champlain Division was navigated by 21 more boats than in 1918, but the number of trips made were 342 less than the preceding year. Such statistics are interesting and of value in that they show the conditions of navigation obtaining in the improved system are no obstacle to the fast and safe passage of fleets and that experience only is necessary to enable operators to navigate the new canals with as much or greater success than was achieved when the old Erie Canal was in use.

PRIVATE OPERATIONS:

As was the case in the preceding year, several interests operated barges on the improved waterways for the transportation of their products.

Chief of these were the General Electric Company, the Standard Oil Company and the Ore Carrying Corporation.

The General Electric Company continued in operation its fleet of three deck loading barges plying between Schenectady and New York City. The freight carried was largely export shipments to New York, although considerable quantities of domestic or local New York City traffic was handled. On the return move-

ment, raw materials, such as metals, rubber and the like, much of an imported character, were carried. The operations of 1919, while still of an experimental nature, were fairly satisfactory, and 20,980 tons were transported, an increase of 16,880 tons over 1918.

The Standard Oil Company likewise extended its canal operations. Tank barges carrying 190,000 gallons or more each trip were sent as far west as Syracuse on the Erie Division and northerly to Whitehall on the Champlain Division. The tonnage carried, consisting mostly of gasoline and kerosene, aggregated 46,151 tons, an increase of more than 30,000 tons over 1918. It is believed the canal operations of this corporation have proven highly satisfactory and economical and large developments are expected in future years.

The Ore Carrying Corporation is engaged in the transportation of iron ore from Port Henry, on Lake Champlain, to New York, where the ore is transshipped to rail for movement to Bethlehem, Pa. While no additions were made during 1919 to the fleet operated by this company, the tonnage transported increased from 33,952 tons to 41,779 tons. Heretofore it had been the practice of the corporation to return its barges to Port Henry light. During the 1919 season, however, many return cargoes of coal were transported for Lake Champlain ports such as Burlington, Vt. Even when the boats carried cargo on the New York trip alone the cost of transportation was appreciably less than the rail rate and now that a revenue is derived from cargo transported on the return trip, the operations are no doubt more economical.

COMMON CARRIER SERVICE:

No additions were made to the number of organized transportation companies rendering a common carrier service. On the Erie Division, two regular lines operated, one the Shippers Navigation Company, Incorporated, and the other, the New York Canal Section, United States Railroad Administration. On the Champlain Division, one line, the Lake Champlain Transportation Company, was in service.

The Shippers Navigation Company, Incorporated, is a line financed by Syracuse capital, organized in 1916. It was engaged in the canal transportation business in 1917 as an independent carrier, but in 1918 its barges were operated by the government. During the 1919 season of navigation it resumed independent operation and experienced a most successful season. The cargo capacity of the barges operated by this company was contracted for during practically all of the 1919 season and the demands of traffic were such that during the later part of the season several additional barges were added to its fleet. The company operates nine cargo steamers and about 50 barges of the old Erie Canal type — boats 98 feet long, 17 feet wide — having a capacity of about 250 tons each. The management of the company reports that it contemplates the immediate building of several new steamers and about 40 new barges of 500-ton capacity.

The New York Canal Section of the United States Railroad Administration at the opening of the 1919 season placed in service 51 steel barges, three concrete barges and three wooden barges of the 150 foot or so-called 750 ton type. It owned no cargo steamers but chartered a number of tugs for towing purposes. Information that the government was constructing 20 steel steamers for canal use was submitted the Department early in the year, but none of these made their appearance.

The steel barges of the government, as well as the concrete boats, were the first of the 150 foot type to be placed in service. The experience that was had in their operation will be hereafter discussed.

As a war emergency, and at a time when conditions were such that the entrance of the Federal government into the canal transportation service was thought necessary, officials at Washington were invited to make the fullest possible use of the improved canals, constructing barges for operation thereon, and performing a transportation service that private interests were unable to inaugurate by reason of stringent conditions then obtaining. Such invitation was extended to the end that the waterways might aid in relieving the serious transportation congestion of the times and that the New York Canals might function in the interest of the nation as a whole during the war period.

The operations of the Federal government on the waterways of the State have proven an utter failure and distinctly prejudicial to the best interest of the people of the State. The circumstances warranting the entrance of the Federal government into the canal transportation field have been eliminated and at the present time there exists no necessity for government operation.

During the 1918 season of navigation the canal barges operated by the Railroad Administration carried but 18 per cent of the total canal tonnage. In 1919, notwithstanding the fact the Railroad Administration had in service 57 new barges of a total cargo capacity of perhaps 28,500 tons, they carried, during the entire season, only 194,352 tons, or less than 16 per cent of the total tonnage. While the total canal traffic increased 7 per cent, that portion transported by the government service decreased 2 per cent. Such record, therefore, in my judgment, is not indicative of the ability of the Federal canal service to aid in the restoration of commerce to the waterways. On the contrary, I believe that the operation of government barges carrying cargo that otherwise would be transported by independent operators detracts from the ability of the independent operators, who are striving earnestly and diligently to build up traffic, to expand their service, enhance their revenues and add new equipment to their plants.

The task of restoring traffic to the waterways is a difficult one at best and nothing must be permitted to stand in the way of its progress. The first requisite in the undertaking is the formation of many strongly financed, well-equipped carriers. I find there are men who look with favor on canal transportation projects and are eager to engage in the business under certain conditions, and one of the controlling conditions is that Federal utilization, control and jurisdiction of the waterways be discontinued. Few, if any, shipping men are willing to compete with a subsidized Federal canal service that operates without regard to cost and that assumes no obligation to produce a profit from its operations. The situation on the canals, therefore, if new companies are to be formed who will provide a service that will build up the tonnage, demands the termination of Federal control or utilization.

I had believed the termination of the Federal Control Act, returning the rail system to their owners, would free the water-

ways from the obstructing Federal influence. Transportation legislation pending in Congress, however, does not definitely establish the status of the inland waterways on which the government has operated barges and it is proposed to transfer the government's inland waterway activities from the Railroad Administration to the United States Shipping Board, to be dealt with by the Shipping Board under the provisions of the "Shipping Act, 1916." If, in this manner, the government should continue its canal operations through the agency of the Shipping Board, the situation would be unchanged. There would still remain in operation a governmentally subsidized transportation service with which private enterprise is reluctant to compete, in fact, with which it declines to attempt to compete.

I do not understand that the Shipping Board is authorized under the Shipping Act to operate vessels or barges it controls, but must permit of their purchase, lease or charter when persons or corporations came forward with a proposition that satisfied the terms and conditions of the purchase, lease or charter prescribed by the Shipping Board. If, therefore, pending legislation will be the means of terminating the Federal government's activities on the New York waterways and of releasing government barge equipment for private operation, the problem confronting the State is solved. On the other hand, if the measure now before Congress does not have such effect, I urge upon your honorable body the imperative necessity of the introduction in Congress and early passage of legislation that will rid the waterways of the State of the destructive governmental operation.

The Lake Champlain Transportation Company for a great many years has been engaged in the transportation business on the Champlain Division, carrying principally lumber and forest products from Canada to New York points and coal on the return trip to Canada. During the present year, at my instigation, the company extended its service, experimentally, to the Erie Division. The experiment was conducted in only a very small way, nevertheless the experience had was such that for the 1920 season it will place several fleets and power boats in operation on the Erie Division, engaging in a through service between Buffalo and New York.

PROSPECTIVE TRANSPORTATION DEVELOPMENT

Although definite plans have not been presented to me indicating the immediate formation of transportation lines, I learn there are movements afoot in certain quarters to incorporate companies to build barges for operation on the waterways. Illustrative of these movements, I mention the investigation carried on throughout the last season by officials of the Detroit and Cleveland Navigation Company, one of the largest of the Great Lakes Lines. This company contemplates the placing of a line of barges on the waterway between New York and Buffalo to act as a feeder to its Lake service. I am advised the report of the official making the investigation was favorable and it is possible the company will make a decision in the matter during the winter. In some measure, the consummation of such other plans as I am advised are in a formative stage will depend on the status of the Federal Government's activities in the future and the policy of the State as to its terminal development. On this second feature I will submit my recommendations later herein.

I am affording all interests desiring it the fullest co-operation of my department and every assistance that may be rendered is offered the organizers of prospective lines.

Aside from the fostering of companies who may furnish a common carrier service, I have been at great pains to point out to the larger manufacturing interests the economies that may be realized through the operation of modern barges engaged exclusively in the transportation of commodities produced and consumed by these concerns. Many are seriously considering the advisability of such a movement and I have no doubt some will ultimately take advantage of the canal facilities in this manner. Among the concerns who have given the subject consideration may be mentioned the Solvay Process Company of Syracuse, the Hooker Electro-Chemical Company of Niagara Falls, the Lackawanna Steel Company of Buffalo, and the American Locomotive Company of Schenectady.

NECESSITY FOR DEVELOPMENT OF CARRIERS

During the 1919 season the necessity for the formation of transportation companies was emphasized more than ever before.

The great bulk of the traffic handled was transported by the individual boatmen,—men owning and operating one or two boats. The organized lines operated, for the most part, to the limit of their capacity, but the available traffic far exceeded the facilities they provided. No appreciable success in the development of canal traffic can be had as long as the situation is dominated by the individual operator. Whereas in the old Erie Canal, under the conditions obtaining thereon, individual effort met with some success, on the improved waterway satisfactory results may only be attained through organization. Experience has shown that no hope of organization lies in the individual operator. Ignorance of changed commercial conditions, lack of knowledge of the requirements of present day commerce, and lack of capital, coupled with a seeming determination to hew along obsolete lines and to refuse co-operation, make the efforts of the individual operator futile. While it is true such men may, in a small way, continue in business from year to year and may earn a fair return on their property, the development of traffic to proportions commensurate with the capacity of the new waterway must come through large organizations. Present day shippers decline to conduct their transportation affairs under a day-to-day arrangement. They insist that contracts be entered into that are holding during the season of navigation, and they demand that their negotiations for canal transportation service be conducted through some central source competent to speak authoritatively and definitely as to the rate, the service, and all other factors involved. They demand regularity, stability and dependability in canal transportation and failing to obtain such facilities at the hands of the independent boatmen, they adhere to the rail routes.

There can be no question as to the ability of canal transportation projects to earn a handsome profit. None dispute the tremendous potential traffic available for canal shipment and investigation will convince even the most skeptical that the cheapest known means of transporting freight is to float it, furthermore, that the finest medium of inland water transportation in the country is the improved canals of New York State. During the 1919 season of navigation, under somewhat unfavorable conditions in that the type of boats used were not designed for Barge Canal

navigation, conclusive evidence of the abnormally low cost of transportation on the improved canals was revealed. A steamer and consort carrying cargo from New York to Buffalo accomplished the trip in a little more than four days at an operating cost of but 1.21 mills per ton mile or about 45 cents per ton. The cargo carried paid a rate of \$1.50 per ton, thus the net earning for the trip was more than \$1.00 per ton. Measured in terms of grain such operating costs would yield a basis of less than 1½ cents per bushel of wheat. The wheat rate at present is 9.7 cents per bushel, showing even a greater percentage of profit on the grain traffic.

Notwithstanding these facts, and no one professing interest in the subject has failed to obtain full and complete information from my department, the formation of carriers on the new waterway falls short of reasonable expectations.

To a great extent, this is occasioned by the inability of organizers to secure financial backing. Sooner or later those seeking to promote canal companies approach the financial interests in New York City. I have yet to learn, however, of any success that was had in this direction. This is so, I believe, because the great financial institutions, centering in the metropolis, have more than a passing interest in the railroads, the competitors of the canal, and it is but natural that in view of this interest they are reluctant to foster a route of transportation that might detract from railroad revenues. I am of the opinion, therefore, that those who will profit most by the service of canal carriers should take a financial interest in such projects and I have conducted my campaign for new boats and new companies along these lines. The merchant and manufacturer, who is sincere in his desire to utilize the canal route, should demonstrate that sincerity by taking a financial interest in canal transportation lines. By no surer means can shippers guarantee for themselves a canal service meeting their requirements. Convinced that the routing of much of their traffic by canal would result in a material saving in their transportation costs, it is not unreasonable to expect that shippers would be willing to invest the probable savings of say one, two, or more years in the securities of a corporation that will make it possible for them to enjoy the fullest benefits of the new water-

way. In my opinion, every large city on the line of the waterway could and should support a canal company, not only through patronage but in a financial sense, and this thought I am constantly conveying to the minds of shippers when meeting with them through their commercial organizations, traffic clubs and individually. I firmly believe that when the public mind fully grasps the fact that the success of the new canal depends in a very great measure on the early upbuilding of a strong transportation organization, it will respond to the need in a most generous manner. No little progress has been made in this field and it is my ambition to be able to report to your Honorable Body at the expiration of the current year that my efforts to encourage the formation of carriers have been rewarded with success.

INDUSTRIAL DEVELOPMENT ALONG WATERWAY

Considerable activity was witnessed during the last season on the part of industries seeking manufacturing or warehouse sites adjacent to the new waterway. Numerous representatives of industrial corporations, some of national repute, have acquired information from my department as to available lands along the canal and many purchases of property have been recorded. I have sought the co-operation of the various municipalities in this connection and aim to maintain on file in my department full and complete information relative to available structures or sites in the canal towns and cities. At Buffalo, two large rubber concerns are known to have acquired holdings on the water front and will, without doubt, make great use of the waterway in the movement of imported basic materials. At Rochester, a building supply concern is seeking a location on the new canal with a view of establishing private docks and transporting large quantities of freights such as cement, brick, tile, etc., by the water route. At Syracuse, a large fertilizer company, three nationally known oil companies, and a growing local industry have located adjacent to the new canal harbor. One other fertilizer concern is now negotiating for property along the harbor channel. In the eastern section the proposed plant of the Ford Company of Detroit along the Hudson River, at Green Island, for which lands have already been acquired, is further indication of the importance in which

adequate water transportation facilities is held by foresighted manufacturers. The activity of 1919 is but a beginning and while the old Erie Canal was the means of attracting hundreds of industries to the canal cities, I believe the new waterway will do far more toward upbuilding and conserving the manufacturing supremacy of the State.

OPERATION OF NEW TYPE BARGES

The operation of the so-called "new" type steel barges built by the Federal government was found to be hazardous in the extreme. During the 1919 navigation season these barges were towed by tug boats of the old type insufficiently powered to control the heavy barges. Because of the inadequacy of the power boats used, much difficulty was experienced in handling fleets of three or four of the steel barges in sections of the waterway where other than slack water navigation conditions obtained. Several instances are of record where fleets got beyond control of the tug boats and were carried out of the channel or endangered the canal structures. It remains to be seen, however, whether or not barges of this type and size may be navigated with safety to the locks and other structures when in the tow of power units particularly designed for such service.

The concrete barges are considered a failure. While the construction for inland water navigation was merely an experiment, it was found, because of their excessive light draft, they cannot compete with barges of wood or steel construction. The concrete barges draw four feet and more when light, whereas the light draft of the steel and wooden barges of the same size does not exceed 36 inches. The operating costs of the three types being practically the same, the lesser carrying capacity of the concrete resulting from its greater light draft, eliminates barges of that type for commercial use.

EXTENT OF FEDERAL CONTROL; BARGES AND RATES

In view of the disastrous effect of Federal control of canal rates and equipment, as practiced by the Federal government during the 1918 season of navigation, determination was reached

early in the year to limit and modify the extent of Federal jurisdiction.

Several conferences were held with officials of the United States Railroad Administration and agreement reached as to the scope of the Federal government's activities during the 1919 season of navigation. First, the Railroad Administration agreed to waive its option of re-charter on the 100 or more individually owned barges that it operated during 1918. By this agreement the independent barges were released for operation by their owners. Second, the government agreed that it would not control or attempt to control, either directly or indirectly, the operations of such independent canal carriers as might be established nor the local rates such carriers might publish. Third, the government agreed to operate the barges it had built in a through Buffalo-New York service exclusively and would not enter into competition with independent operators in the intermediate territory. Fourth, the Railroad Administration officials agreed that they would not attempt to influence the movements of the grain traffic from Buffalo and that independent operators might compete for such traffic on equal terms with the government barges. Fifth, the government agreed to establish a line of rates applying from New England and New York via Canal and Lake to western territory and would restore a service on the Great Lakes to Lake Michigan ports. Sixth, the government consented to establish canal and rail rates through all practicable points of interchange if and when traffic was created making such rates necessary.

The beneficial results of the agreements reached were manifest during the 1919 season. Approximately 100 individually owned barges re-engaged in canal traffic and furnished considerable very necessary equipment. Without such additions to the barge facilities, I believe the 1919 traffic would have been much less. By reason of the understanding that their operations would not be interfered with by the government authorities, independent lines were encouraged to engage in the business with zeal and enthusiasm and all experienced a successful season.

I consider a most important concession was gained by the establishment of joint through rates via canal and lake to the west. Much has been said on the subject of co-ordination of rail

and water transportation facilities, but co-ordination was never practiced heretofore. For the first time in the history of the canals, shippers in New England were enabled to utilize the New York Canal route to western territory on a differential rate basis and I believe the precedent that has been established will materially aid in broadening the sphere of influence and usefulness of the waterway by compelling the establishment of through routes and through rates between contiguous territory.

Canal rates generally were lower during the 1919 season than in 1918. Grain rates were established by the Railroad Administration and adhered to under agreement by the independent operators. Rates on grain were two cents per hundred pounds less than the rail rate. In my opinion such differential is insufficient and there must come a decrease in canal grain rates if the waterway is to participate to any great extent in the grain traffic.

Class rates from New York and New England were twenty cents first class and six cents sixth class less than the standard all rail New York-Chicago basis. Such differential is ten cents first class and three cents sixth class lower than the 1918 scale, but still less than the differential that obtained a number of years ago when rail rates were much lower than at present. In this connection, too, I look for a downward revision of the rate when the government control of rail and lake lines is terminated.

ACTIVITY OF THE TRAFFIC BUREAU

The relation of the Traffic Bureau to the department is analogous to the position a traffic department occupies in a large industrial enterprise. The chief of the Bureau is in fact the traffic counsel of the department and in such capacity serves shipping interests generally in matters involving canal transportation and in their endeavor to utilize the waterway. Through the Traffic Bureau the department undertakes to advise shippers how and to what extent they may avail themselves of the facilities of the waterway, to acquire boats for shippers when they require them, and to establish rates and working arrangements between the carrier and the shipper. Also the Traffic Bureau furnishes assistance and data to those endeavoring to organize transportation lines and through the compilation of traffic and rate statistics, information

as to types of barges and the cost of same, transportation costs and the like, provides valuable aid to investigators. In a great measure the activity of the Bureau during the 1919 season has, under my supervision, been directed along publicity and educational lines. Many conferences and meetings with shippers were arranged and large numbers of shipping representatives, industrial traffic managers, sales managers and others were afforded an opportunity to personally inspect the conditions of navigation and the excellence of the terminal facilities. In this manner prejudices against canal transportation, conceived largely through ignorance of true conditions, were overcome and considerable traffic was developed for the waterway. The limitations of the available service greatly restricts the ability of the department to engage in a broader campaign of solicitation; nevertheless, solicitation is constantly being carried on and these efforts are bound to be fruitful in succeeding years.

Information circulars descriptive of the service rendered by carriers and the prevailing rates are issued from time to time. In fact, no effort is spared to keep shippers in touch with canal transportation conditions and to influence them to utilize the water route. During the season, the subject of canal transportation and its advantages were discussed before meetings of shippers at Buffalo, Tonawanda, Rochester, Oswego and New York. Also the Traffic Commissioners of the large commercial organizations in the cities of Cleveland, Detroit and Toledo were conducted over the system and a beginning made in spreading canal propaganda throughout the Central West and New England.

The task of reaching all of the many thousands who might advantageously ship their products by the canals is a large one and years of constant effort would be required before the merits of the "Ship by Canal" campaign could be brought home to the majority. Consequently, I arranged for the filming of the waterway and will exhibit throughout the State during the coming year a splendid moving picture of the waterway, which illustrates the workings of the locks, describes the terminals and their facilities, the methods of transportation employed, in brief, the whole story of the canal system is displayed in an interesting manner. Through the medium of this picture, I hope to reach those who

by reason of their location or disinterest are not fully conversant with the waterways of the State and their transportation facilities, and I am confident splendid results will follow. Already, I have received a great many requests from various cities to exhibit the picture and the film will, without doubt, be in great demand not only in the State but elsewhere.

FEDERAL LEGISLATION AFFECTING CANAL COMMERCE

At a time when many solutions of the transportation problem are offered, it behooves those whose interest is in inland water transportation to watch closely that there may not be enacted measures that will circumscribe the operations of water carriers or in any sense limit their competitive influence. I, therefore, have followed the progress of transportation legislation pending in Congress and have had occasion to marshal the commercial forces of the State on one occasion in opposition to a most objectionable measure. Provisions of bill H. R. 4378, known as the Esch-Pomerene bill, proposed an amendment to the Federal Act to Regulate Commerce that would extend the control and jurisdiction of the Interstate Commerce Commission over carriers on the inland waterways, including the New York canals. I considered such legislation distinctly inimical to the best interests of shippers of the State and prejudicial to the successful operation of the improved canal system. I, accordingly, aroused interest against the bill amongst the commercial organizations, merchants and manufacturers of the State and led a vigorous attack against the measure. The splendid co-operation received from representatives of the State in Congress and the support accorded my position by the shipping interests had the effect of defeating the bill and guaranteeing to the people that the administration of their splendid waterway would remain in the hands of the State authorities. As appendix "A" hereto, I submit a copy of my argument against the measure presented before the Committee on Foreign and Domestic Commerce at Washington, September 16, 1919.

THE ST. LAWRENCE CANAL PROJECT

The 65th Congress included in its Rivers and Harbors appropriations bill a provision authorizing a joint investigation by the

governments of the Dominion of Canada and the United States as to "what further improvement of the St. Lawrence River . . . is necessary to make the same navigable for ocean-going vessels." The language of the bill was such that an investigation of the "feasibility" or "commercial necessity" of the improvement was not to be made and merely an investigation as to "what further improvement is necessary" was to be undertaken. Such language implied that Congress might appropriate funds for the improvement irrespective of its "feasibility" or "commercial necessity." New York State interests were immediately aroused to the menace to the commerce of the State and City that lurked in any proposal to open the Great Lakes to Montreal, through the financial aid and co-operation of the United States, and the measure was strongly opposed. My predecessor submitted an able argument to the Governor (Senate Document 46) pointing out the absurdity of the scheme and clearly proving that from a physical standpoint the project, if undertaken and completed, would be an utter failure. Later, in my investigations, I found that sentiment favorable to the proposition had gained great impetus in the middle and northwest and the states of Michigan, Wisconsin and Minnesota had appropriated funds for the furtherance of the scheme, in the belief that its successful consummation would create seaports at cities like Chicago, Milwaukee and Duluth. Such importance was attached to the matter that it was made the principal subject of discussion at the National Rivers and Harbors Congress Convention held in Washington, December 10, 1919. I addressed the convention opposing the improvement and analyzing the underlying motive of those with whom the improvement suggestion had its inception, showing that few if any ocean-going vessels would navigate the water of the Great Lakes but that, on the contrary, the great danger in the scheme lay in the possibility that large lake vessels might ply to Montreal thus diverting the commerce of the Great Lakes to a foreign port. As appendix "B" of this report, I submit to your Honorable Body a copy of my argument against the project. The State of New York, in the protection of its waterway investment and of the commerce of the port of New York, must take vigorous action opposing any further movement in Congress that has for its purpose the appropriation of

funds from the Treasury of the United States for the development of an international waterway competitive with its canal system. The Barge Canal is adequate to the needs of the commerce of several coming generations but no benefits may be enjoyed from its operation so long as the public interest is diverted from it and public enthusiasm chilled by the injection of chimerical schemes designed wholly to discredit the system and to discourage its use, having their inception with interests who have every reason to fear the effects of its successful operation.

NECESSITY OF TERMINAL GRAIN ELEVATORS

In 1880 the canals carried over 30,000,000 bushels of wheat from Buffalo and over 10,000 boats were engaged in the business. During the 1919 season of navigation but 500,000 bushels were transported and less than 400 barges were employed. The grain business must be restored to the waterway and the greatest single deterrent to that restoration — the lack of adequate grain terminal facilities — must be corrected if there is to be any large development of commerce on the new system and if capital is to be invested in transportation lines. The State has been liberal in the extreme in its terminal program, but the terminals that have been provided or are to be provided are adequate only to the needs of one class of commerce. Splendid facilities are available at practically all ports for the reception and delivery of package freight and the lower grade bulk commodities, but strange to say, no provision has been made for the accommodation of the grain traffic which normally constitutes at least 50 per cent of the east-bound tonnage. I am convinced unless carriers have reasonable assurance that east-bound cargoes may be obtained at all times their development will be slow and unsatisfactory. No such assurance may now be given because the controlling east-bound commodity, grain, is withheld from the waterway by the lack of canal elevator facilities. If the building up of a strong scheme of transportation is retarded by any reason, little hope exists that the new canal will justify its cost or function in the interest of the great majority. I hold, therefore, that the State should not hesitate to eliminate any factor obstructing the development of

commerce or carriers, be it Federal control, inimical legislation, railroad antagonism or inadequate terminal facilities, and I am confident the acquisition or construction, and operation by the State, as a part of its terminal scheme, of grain elevators at the Lake ports of Buffalo and Oswego, and at New York City, will do more toward placing transportation conditions on a sound, permanent basis than any other factor.

The situation in New York Harbor as to the handling of grain reaching that port by water, either canal or otherwise, is intolerable. Throughout the whole great harbor of New York, through which since the Civil War days 50 per cent of the foreign and domestic commerce of all of the ports of the United States has been handled, there are but five or six grain elevators. Only two of these elevators are so situated as to receive canal borne grain and these two are owned and operated by railroad companies competing with the canal route for the grain traffic. It is unreasonable to expect that these elevators would be available for canal grain, and barges reaching New York with grain cargoes are, therefore, obliged to wait the arrival of the ocean vessel to which the grain will be transferred for export before they may discharge. More often than not, this practice takes the barge out of service one, two or three weeks, sometimes longer; demurrage accrues, the operator loses the earning value of the barge, and the shipper is compelled to assume expenses that make the cost of canal transportation prohibitive. No matter how many barges are in service or how much grain may be available for shipment, if the condition in New York is not remedied, the canal grain business will be totally wiped out and with its elimination will go the very foundation of canal traffic. I urge, therefore, that necessary appropriation be made for the immediate construction of a modern grain elevator at New York with a storage capacity of from three to five million bushels of grain. The State owns at present an excellent site for such an elevator. The Gowanus Bay terminal at Brooklyn is located in the heart of the trans-ocean shipping district. Thirty-five feet of water is available at the docks of this terminal, sufficient to accommodate the largest ocean vessel afloat. Were an elevator erected by the State at this site,

immediately on its completion would be seen canal barges discharging their grain cargo into the elevator on one side, then proceeding elsewhere in the harbor for return loads, and on the other side ocean vessels receiving grain from the elevator for shipment abroad. Ultimately, I believe the growth of the canal grain traffic will demand another, perhaps two more elevators at other points in New York Harbor, and adequate provision should be made for their future erection. Aside from the export grain traffic there is another feature that should be considered in connection with the elevator project. At present there is imported through New York considerable quantities of Argentine flaxseed. The waterway handled during the 1919 season over 1,325,464 bushels of this commodity. Also some corn is imported and it is not improbable that the future will see a reversal of the present situation. While this country has heretofore produced a surplus of cereals, with our rapidly increasing population the time may come when domestic consumption exceeds production and we must look to the great undeveloped areas of the southern American and of central Europe for our cereal supply. Should such condition arise elevator facilities at New York attracting such commerce for canal movement would be an invaluable asset.

I also recommend that provision be made for the erection of an elevator at the Port of Oswego, the Lake Ontario terminus of the canal system. During the year 1918 Montreal exported approximately 25 per cent of the total wheat exports of the principal Gulf and Atlantic ports. Its percentage in 1880 was but 7 per cent. In 1915 over 100,000,000 bushels of Canadian wheat came to the Port of Buffalo out of a total of 168,000,000 bushels shipped from the head of the Great Lakes. Twenty-three million bushels went to Port Colburne, the western terminus of the Welland Canal, from where it was shipped, to a great extent, by barge to Montreal. On Lake Ontario there are two Canadian ports, Kingston and Prescott. Prescott is only 119 miles from Montreal by the St. Lawrence Canals. The Welland Canal is now being deepened and enlarged so as to accommodate lake vessels of 25-foot draft. Such are the facts and from such facts but one conclusion may be reached. When it is possible for large lake vessels

to pass into Lake Ontario and down to Prescott, it is not unreasonable to assume some, if not a large part of the Canadian wheat heretofore going to Buffalo, will be carried past Buffalo in the large lake vessels down to Kingston or Prescott, on the theory that the longer the lake haul in the large lake bottoms the cheaper the cost of transportation. Such being the case, it is imperative that New York provide a competitive port on Lake Ontario and Oswego is the logical port. From Oswego to New York by canal the distance is but 315 miles, nearly 200 miles shorter than Buffalo. The haul from Oswego to New York is greater than from the Canadian Ontario ports to Montreal, but Oswego offsets this advantage by reason of its ability to furnish lake vessels with a return cargo. Three railroads maintain transshipping trestles at Oswego and coal may be loaded up the lakes, as is the case at Buffalo and other Lake Erie ports, whereas Kingston and Prescott can furnish little, if any, return cargo. I contend that under these circumstances the State would be negligent if it failed to foresee the impending diversion of some of the lake grain traffic from Buffalo and did not furnish facilities that would compete with Canadian ports for such of the traffic as came into Lake Ontario. Evidence that others share my views is to be had in press reports of the activity of the Pennsylvania Railroad at Sodus, a point on Lake Ontario a few miles west of Oswego. Here it is said the Pennsylvania Railroad plan an expenditure of a considerable sum in the deepening of the harbor, the erection of a coal trestle and the construction of a grain elevator. Only a belief that traffic on Lake Ontario will develop in the future to an extent warranting these improvements impel this railroad to undertake the work. I am of the opinion the construction of a grain elevator at Oswego by the State would furnish conclusive argument for the completion of the Oswego Harbor improvement by the Federal government and I can conceive of no reason why, with such improved facilities, the Port of Oswego should not eventually regain much of its former commerce thereby contributing materially to the prosperity of the State and the success of the improved canals.

Buffalo is the keystone of the canal grain situation and conditions at that port are somewhat difficult of analysis. I am advised by the Buffalo Chamber of Commerce there are twenty-three elevators at Buffalo having a storage capacity of 28,250,000 bushels and capable of loading 1,871,000 bushels to canal barges in a ten-hour period. In view of such splendid equipment, it may be argued that there exists no need of additional elevator facilities at Buffalo and the erection of an elevator by the State would be unjustified. I grant the excellence of the Buffalo Harbor elevator equipment and I concede that the existing elevators could, if they would, furnish canal carriers with an abundant grain tonnage. Despite the large number of elevators in Buffalo, however, and the constantly increasing importance of the city as a grain port, the volume of canal grain traffic from Buffalo has steadily declined from year to year. To some extent, the interruptions to navigation occasioned by the construction of the new waterway contributed to such decline, likewise the shortage of boats and the inadequacy of New York Harbor facilities affected the trade. Notwithstanding these conditions the Buffalo grain traffic for many years has not measured up to the capacity of available facilities and there seems to exist some influence that militates against the greatest development of the grain commerce from Buffalo. It is generally understood some, if not all, Buffalo elevators are dominated by railroad influences and if this is the true situation the State should not waver in its policy of protecting and fostering canal commerce and should control any antagonistic or destructive influence at Buffalo by the acquisition of a grain elevator, either through purchase or construction, to be operated exclusively in the interest of canal grain traffic. The municipally owned and operated elevators at Montreal have been a most potent factor in attracting grain commerce to that port. In the same manner that the Montreal elevators contributed to the development of Montreal's grain commerce, I believe that a State terminal elevator at Buffalo would be the final answer to the canal grain situation. Grain more than any other commodity follows the line of least resistance, the route offering the cheapest transportation. The variance of a fraction of a cent a bushel controls

the movement of grain to or from any route. If all that debars the grain traffic from the canal is the difference of a fraction of a cent per bushel in the charges it must absorb, then certainly the State is justified in providing a means that will permit the equalization of costs with competitive routes. Authoritative information I have gathered indicates that grain may be elevated at a cost not exceeding a quarter of a cent per bushel. The legal charge is one cent per bushel and aside from the revenue derived from elevation, an elevator earns considerable from storage, cleaning, drying, turning, shoveling, etc. In fact, earnings from such service are said to represent practically 50 per cent of an elevator's gross revenue. It is clear, therefore, that a State elevator, if necessary, might perform a service at less than the legal one cent per bushel elevation rate, thus providing the differential to attract the commerce and yet operating at a basis that not only meets interest and maintenance charges, but returns a profit that may, in the fullness of time, repay the initial investment.

Whatever may be the cause, it is evident that the canal has not received deserving consideration as a grain carrier. There is no cause, however, that cannot be successfully combated by a State terminal elevator at Buffalo and I urge that your honorable body give favorable consideration to the recommendation made herein.

STATE CANAL TOWING

Again in 1919 the State undertook to furnish a towing service on the Erie Division of the canal system in order that the several hundred individually owned and operated barges might engage in transportation. The owners of these boats possess neither the equipment nor the means to acquire the equipment to provide towing, and I was confronted with the option of refusing to recommend an appropriation to furnish towing facilities with the knowledge that such refusal would deprive the waterway of urgently needed boating equipment, or of recommending an appropriation for a service that experience of previous years had demonstrated could not be conducted except at a loss.

An appropriation of \$200,000 was made by an act of Legislature and fifteen tugboats were chartered to tow barges between

Buffalo and Waterford. A towing rate of 35 cents per loaded boat mile and 20 cents per light boat mile was established and a service maintained throughout the season. The sum of \$44,318.33 was collected in towing charges and \$152,064.66 expended in the conduct of the service.

It is clear that without the State towing facilities the tonnage on the Erie Division would have been much less than was carried, as the majority of the barges engaged in the Erie trade and carrying the bulk of the tonnage availed themselves of the service.

As a permanent operation, however, this service is not desirable and I do not advocate its continuance beyond the time companies operating their own power boats enter the field. In fact, I feel the possibility that the State may furnish the towing facilities from year to year deters private interests from engaging in the work in the manner that it is performed on the Champlain Division of the system and on the Hudson River.

I propose to make a strong effort to encourage the organization of a private towing line prior to the opening of navigation for the season of 1920, and I, therefore, shall defer my recommendation as to an appropriation for towing for the coming season pending the result of such efforts.

ENFORCEMENT OF LAWS COMPELLING RAIL CONNECTIONS AT TERMINALS

Under the provisions of the Canal Terminals Act, the Superintendent of Public Works is authorized to recommend the construction of railroad tracks at terminals. The Public Service Commissions Law places the obligation on a railroad company to extend its tracks to the docks or terminal of a water carrier whether or not such dock or terminal be municipally owned or State owned. Railroad tracks have been constructed connecting the canal terminals with rail lines at Troy, Albany, Schenectady and Buffalo and plans have been made for track connections at Rochester, Syracuse and Utica.

At the Erie Basin Terminal, Buffalo, the New York Central Railroad, with whose tracks the terminal is connected, refused to perform a switching service between the terminal and industries

located on its rails in the city of Buffalo, or with industries situated on the rails of other railroad lines in Buffalo with which the New York Central Railroad connects.

Consequently, on the advice of the Attorney-General, I filed a complaint against the railroad with the Public Service Commission alleging a violation of the Public Service Commissions Law and praying for an order from the Commission compelling the carrier to perform the service demanded. One hearing has been held and at a later date a final hearing will be held by the Commission. It is my expectation that the principle will be established by the Commission that a railroad company must under the law treat with carriers by water on the same terms and conditions that it treats with connecting rail lines and that it is compulsory for a rail carrier to interchange traffic with canal carriers over State canal terminals. The precedent that may be established in this test case will control at all other canal cities and the question is, therefore, an important one. In the event an adverse decision is made it will have the effect of denying the canal facilities to all industries in the larger cities, except those possessing private docks. The great majority of shippers nowadays are served by private sidetracks and are accustomed to load and unload freight direct from cars placed at their plants. To compel these to deviate from established practices and to subject them to the additional expense of trucking their freight to and from canal terminals would be to impose on them inconveniences they would not accept and as a result they would not utilize the canal route. I am confident, however, such a situation is remote and I have no doubt as to the successful outcome of the case.

NAVIGATION

CONDITIONS PREVAILING IN 1919

Through navigation on the canal system was opened for the season on the following dates:

At twelve o'clock noon of May 1st, on the Champlain Canal and the Cayuga and Seneca Canal, and from Troy to Oswego via the Erie Canal to Three River Point and thence through the

Oswego Canal to Oswego; at twelve o'clock noon of May 15th, on the Erie Canal from Troy to Buffalo; and at twelve o'clock noon of June 1st, on the Black River Canal.

To accommodate boats desiring to make short trips from the canal's eastern end before the formal opening, the canal from Troy to Schenectady was placed at the disposal of traffic at noon of April 26th, and as far west as Lyons by noon of May 5th.

The date of the final closing was fixed on all canals at midnight of November 29th, and the dates for the issue of the last clearances were set according to the destination of the boats. The last craft, however, did not pass out of the Erie Canal at Troy until December 11th.

Throughout the entire season splendid conditions for navigation prevailed, there having been no interruptions to traffic on account of defects in the canal system. The only detentions which were reported were of about two days' duration, and occurred early in the season on both the canalized Mohawk and Hudson Rivers and were due to high water, following excessive rainfall. All of the operative structures were in perfect order and the channel itself was maintained at the required depth. The situation from a physical standpoint was so good that the time of passage of freight boats was considerably shortened. During the season, a fleet composed of the old type canal boats made the trip from seaboard to Lake Erie in four and two-thirds days, a record which has never before been achieved. This was made possible by the excellent condition in which the waterways were maintained.

The whole canal plant throughout the season was maintained in a high degree of efficiency and was capable of transporting freight several times the total which was actually carried. This result was secured only through constant watchfulness and by the making of prompt repairs where necessities required. The canal channel is subject to filling process at various seasons of the year, especially in the early spring and during the season each excessive rainfall brings with it a deposit of silt which to some degree lessens the navigable depth. Dredging operations were progressed by the department almost constantly and the results secured justified the labor expended.

The operative structures received the most careful attention. On the new canal, there are sixty locks of the new type and many of these have been in existence upwards of ten years, and nearly all of them have been operated for the past half dozen years. At some of the structures, renewals of important parts were found to be necessary, not only on account of the fact that some of the equipment was insufficient for the heavy work to be performed, but also because of the natural wear and tear from use. The elaborate lock machinery is of such a nature that without the making of almost constant repairs and the installation of new parts from time to time, it would soon fail to function in an efficient manner. The subject of repair and maintenance of the canal system will be discussed later in this report.

CHANNEL LIGHTS AND BUOYS

It has been the department's aim to encourage the movement of boats on the canal throughout the 24 hours of the day instead of limiting such operations to the daylight hours. To secure the full efficiency of the waterway, the continuous movement of traffic, excepting for delays incidental to the operation of the boats, is essential. It must be realized that of the total canal mileage of 525 miles, 382 miles of the route are located in natural waterways which have been canalized. Since considerable width of waters exists in these canalized lakes and rivers, the need of aids to navigation is obvious in order that the navigator may follow the official channel. These aids take the form of buoys and beacons, all of which are equipped with lights plainly visible during the hours of darkness. The total of 1,500 lights and aids to navigation which was planned for at the beginning of the season just past, was increased during the year by approximately 100 lights, and every endeavor was made to maintain them in proper condition.

The efforts exerted by the department were fruitful. While in previous seasons some use had been made of the new channel during the night time, in the year just past many vessels did not hesitate to continue their passage after darkness had fallen, and were thus able to operate 24 hours of the day. The impor-

tance of this, not only to the shipper but to the carrier as well, will be readily understood.

I do not intend to claim, however, that the present system of channel lights is perfect, or that the plan of maintenance needs no improvement. On the contrary, I am fully alive to the imperfections and weaknesses, and have devoted much study to ways and means for insuring against defects in this branch of the service. Experience seems to indicate that whatever flaws exist are due more to the difficulty of securing the exact type of organization to carry on the work, than to any inadequacy of the equipment.

During the past several years, the plan in force has consisted of dividing the canals and waterways into patrol areas of approximately five miles in length, to each of which was assigned an employee whose duty it was to care daily for the lights within his district. To carry on his work he was obliged to furnish his own means of conveyance in the way of a motor boat. This has resulted in the use of a large diversity of craft, some of which were unfit for the service required. As a matter of fact, based on the wages paid and the termination of employment at the end of the navigation season, it could not be expected that suitable craft would be secured. Again, the uncertainty in the mind of the employee as to his re-engagement for another year did not tend to efficient service.

The type of buoy lights in existence on the canal is sufficient for the purpose, and when the number is increased, as it is my purpose to do before the opening of another season, the plant itself cannot fairly be criticised. The only problem to be solved is that of maintenance.

I, therefore, propose to reorganize the buoy light-tending service. Instead of confining the selection of the employee to the immediate locality, and limiting his services to seven months of the year, it is my plan to have the men classified in the competitive schedule of the Civil Service, and base their employment on a year round service. This should attract to the work young men who will seek to qualify themselves for the efficient performance of their duties, with good prospects of permanency and promotion. In line with this policy, and to standardize the matter of equipment, I recommend that sufficient moneys be appropriated to

enable the department to furnish each employee with a suitable craft with which he may daily visit the lights under his charge. Provision for this proposed expenditure has already been included in my budget requisition. During the five months of the year when navigation does not actually exist, the men will be employed in repairing and making ready the equipment for installation the following spring. The usefulness of the State's waterway system is absolutely dependent upon proper provision being made for its commercial use during the 24 hours of the day.

CANAL MAINTENANCE EQUIPMENT

For all practical purposes of navigation the improvement of the State's canal system may be deemed to have been completed, and the task now before the canal officials has to do with the maintenance and operation.

The system is commonly referred to as "new," but in truth parts of it are more than a dozen years old. Sixteen years were consumed in its building and some of the structures were actually in need of attention before the channel throughout its entire length was made available for commerce.

Aside from the passing of the years, the whole plant is subject to the ravages of the elements. Eternal vigilance must be exerted to the end that the artificial structures shall at all times be in a condition of perfect repair and the prism itself clear of obstructions. To perform work of maintenance and repair requires plant, machinery and tools of a suitable and modern type. Until these tools are available the department must provide for the performance of much necessary work by outside agencies, and the rentals for their use must necessarily be large. In line with good business principles the department should be supplied with such plant as the maintenance work will require.

I submit herewith a list of some of the principal needs in the way of equipment.

FLOATING PLANT

The necessity for dredging of the canal channel will perhaps always exist, inasmuch as a large portion of the route lies in silt

bearing rivers, causing a considerable deposit in the channel. At some locations the line passes through regions where the soil is of so shifting a character that constant effort to maintain a navigable depth of water is necessary. The severity of the winters and the extent of the freshets and floods of spring have an important relation to the amount of work to be done.

My predecessors in office have called attention particularly to that portion of the canal lying just easterly of Oneida lake. The conditions prevailing here are such that, in the opinion of experts, following a winter of ordinary severity the deposits of sand and silt in the canal will be such each spring as to require weeks of dredging before boats may pass.

The Mohawk, Hudson, Oswego and Seneca rivers, and Tonawanda creek, have been utilized for many miles, and into these waters the many tributary streams carry large quantities of material which must be removed.

The department's dredging plant as it now exists is inadequate to perform all of this work. It has been necessary in the past to secure contractors' equipment on a rental basis, and the cost has necessarily been large. To enable the department itself to perform all maintenance work, funds should be provided for the purchase of three hydraulic dredges, one to be used on each division of the canal, together with the necessary accessories.

New tugs and steamers are also badly needed to replace the present units, which are old and of inadequate power. These vessels are essential in connection with the making of ordinary repairs throughout the season, and especially in the installation and removal of buoys during the spring and fall of each year. With the expected increase in the number of boats plying the canals, means must be at hand to assist craft meeting with disaster or lesser accident and to aid in salvaging of valuable cargoes. During the closing weeks of the season the breaking of channel ice often has been necessary, and with apparatus at hand suitable for work of this kind, hundreds of thousands of dollars may be saved. Each division of the canal will require four new steel tugs of modern type and adequate power.

Necessarily incidental to a floating plant of this nature is a sufficient number of scows to be used for general purposes during

the progress of a dredging job, and of these craft the present supply should be supplemented by at least six of larger dimensions.

Heretofore in this report, in discussing the subject of channel lights and buoys, I referred to the plan of supplying to each of the buoy light tenders a suitable motor boat by means of which he might traverse his area and efficiently perform his duties. In the contemplated reorganization of this service, it is estimated that 35 motor boats of a standard type will be needed, and for the purchase of these the necessary funds should be appropriated.

EQUIPMENT FOR PROTECTION OF LOCKS

While the locks on the canal have been maintained in a perfect operating condition, and the promptness and ease in which the massive gates have been opened and closed has been the subject of commendation by canal users, yet this result has been secured only through the exercise of the greatest vigilance on the part of those assigned to their care. The danger of collision between boats and the lock gates is always present. The gates being of steel are subject to serious damage, and should an accident occur which rendered a gate impossible of operation, navigation must necessarily be suspended until the repairs have been made.

Already lock gates at three locations, namely, at Minetto, Palmyra and Clyde, have been rebuilt, and during the present winter season extensive repairs will need to be done to the upper gate of Lock 35 at Lockport, which damage was caused by collision of boats. Fortunately, however, no damage has as yet been sustained by the gates of any lock at a time or of a nature necessitating the detention of traffic. Should such accident occur, a serious problem will be presented.

The question of the manner in which quick repairs to a damaged lock gate shall be made has received my serious study, and attempts have been made to devise, in advance of emergency, an effective plan of operation. The studies thus far made have led me to the conclusion that the lock equipment cannot be said to be complete until there shall have been erected in front of the upper and lower gates of each lock a type of guard gate similar in kind to those which now exist at the Seneca Falls and Waterloo locks. These structures would serve a double purpose. In case

of serious damage to the gates of the locks the guard gates could be used as lock gates and the damaged lock gate repaired at leisure. In addition to this, the problem of unwatering the lock chamber for the purpose of making repairs, which up to the present time has proved to be a task of great expense, would be solved. I realize that if this plan were to be adopted, probably 114 of this type of guard gate would be required, and the total expense large, but the insurance given the safety of the canals' commerce would warrant the expenditure.

NEW REPAIR SHOPS

New and larger repair shops are needed at various points along the line of the canal. The elaborate operating machinery of the locks and lift bridges, as well as the mechanical parts of the floating equipment, will constantly need replacement and renewal. Experience has shown that the proper machinery and tools for the performance of the work are not always available in outside shops, and in any event the cost of performing the labor by outside agencies is large.

I believe that a new and modern shop should be erected for each of the three divisions of the canal, and these should be located at or within easy reach of the new waterway. I realize that funds sufficient to provide all that will be needed under this head may not be conveniently appropriated in any one year, but in my judgment a beginning should be made by making provision for the construction of one such shop to be located at Syracuse, and I have therefore included in my budget requisition an estimate for that purpose.

DRY DOCKS

The need of dry docks along so great a waterway cannot be denied. The value of vessels which will ultimately ply the new canals, and the loss which will occur if their progress is unduly delayed, is so great that means must be at hand for making repairs to a damaged vessel. No practical commercial waterway is complete without such equipment. Studies are now being made as to the proper locations of dry docks, and at some future date this matter will be discussed in more detail. As the matter stands

at present, the following places are under consideration as proper for the locations of dry docks: Waterford, Little Falls or vicinity, Baldwinsville, Oswego, Rochester and Lockport.

GRAIN ELEVATORS

The desirability of providing grain elevators at various points can hardly be questioned. The handling of grain in a practical manner is not possible without their use. This subject, however, is so closely connected with the canal traffic itself that a full discussion of this feature of canal equipment will be found elsewhere in this report.

THE CANAL TERMINALS IN NEW YORK CITY

PIERS 5 AND 6, EAST RIVER, NEW YORK

The work of reconstructing Pier 6, East River, New York City, and the building of the splendid warehouse upon it having been brought to a close in the early fall, the site was declared open to traffic, and since this terminal is the most important of those located in the Metropolitan district, it was deemed but fitting that appropriate ceremonies should be held to mark its official opening to commerce.

Accordingly, on the afternoon of October 14, 1919, the date set for the opening exercises, there was present in the new warehouse a large assemblage of people. Among them were the following: The Governor of the State, Hon. Alfred E. Smith; the members of the Canal Board, and other State officers; Hon. Murray Hulburt, Commissioner of Docks of the city of New York, and other officials of that and many other municipalities of the State; former State officers who had had to do with the terminal and canal improvement projects in their inception; and a large number of prominent citizens. Commercial organizations of the State were largely represented.

The ceremonies were opened by the State Engineer and Surveyor, who formally notified the Superintendent of Public Works of the completion of all construction work on the terminal and duly transferred the structures to him for maintenance and operation. In a brief address the Superintendent of Public

Works accepted the responsibility and thereupon turned the conduct of the remainder of the ceremonies over to Hon. Lewis Nixon, of New York City, who had been prominently identified with the movement for the construction of terminals in its beginning, and was a former Superintendent of Public Works. After an address by Mr. Nixon, Governor Smith was called upon and spoke at some length on the whole subject of canals and canal terminals and their relation to the commerce of the State and city of New York. Addresses by members of the Canal Board and others followed. The occasion was a most interesting one, in that it marked in a fitting way the date when the first well-equipped warehouse of a modern type, owned and operated by the State, was placed at the disposal of commerce.

It is also worthy of record that on the following day, namely, October 15, 1919, a meeting of the Canal Board was held in the departmental offices in the warehouse, and affairs of the State were transacted. This was the first occasion on which a meeting of the Canal Board was held in the city of New York in a building owned by the State itself. On the adjournment of the meeting, the members of the Board accompanied the Superintendent of Public Works in an inspection of all State terminals in the city of New York, including prospective sites for future development. The trip was made on the department's boat "Inspector," which had been sent to New York for that purpose. During the afternoon, Manhattan Island was completely circled.

This terminal, which includes also Pier 5, has since been the scene of considerable activity. Hundreds of boats are daily docked at the piers, and the prospects for the full utilization of the warehouse itself are excellent. The structure has a length of 450 feet and is 50 feet wide, with what is known as a head house adjoining it on the land side, two stories in height, containing the New York City offices of the Superintendent of Public Works and the State Engineer and Surveyor. The office building is 75 feet wide and 40 feet long. Wharf cranes are now being installed on the northerly side of the warehouse for use in the handling of freight between the warehouse and boats.

Pier No. 5, adjoining on the south, which has been in use for something over two years under State ownership, is uncovered.

The pier is 570 feet long and 70 feet wide, and the freight handling machinery at present assigned to it consists mainly of two locomotive cranes of the Byers type.

The status of the other terminals in the Metropolitan district at the close of the year 1919 is as follows:

WEST 53D STREET

At the foot of West 53d street on the Hudson River construction work is now in progress for the building of a warehouse, which when finished will be similar in type to that on Pier 6. Although the building has not as yet been completed, dockage at the pier is possible.

MOTT HAVEN

The terminal at Mott Haven in the borough of The Bronx is now complete. While no shed has as yet been erected, a building exists in the rear of the site which is well adapted for storage purposes.

LONG ISLAND CITY

At the terminal at the foot of North James Street, Long Island City, in the borough of Queens, all work is practically completed. Nothing remains to be done in order to render the terminal warehouse available for use, excepting the installation of the heating and lighting system and the completion of negotiations with the city authorities for the necessary street approaches. When all construction work has been completed, freight handling machinery will be installed.

GREENPOINT, BROOKLYN

At the Greenpoint terminal, in the borough of Brooklyn, two piers are at present available for traffic. The work of constructing a warehouse on one of them is nearing completion. This warehouse will be similar in type to that now existing at Pier 6. When the improvement is finished, there will be one open pier and one shedded pier and suitable freight handling machinery will be installed on the pier containing the warehouse. Negotiations are under way with the city authorities for the pur-

pose of securing an appropriate approach to the terminal from the land side.

During the year 1919, extensive use was made of this terminal for the mooring of coal barges and considerable revenue therefrom has been obtained by the State. It was made plain, however, that such privilege is a temporary one and will be withdrawn when the traffic for which the terminal was constructed has been developed in sufficient volume.

GOWANUS BAY, BROOKLYN

At Gowanus Bay, in the borough of Brooklyn, assurances have been given that the pier now under construction will be fully completed by early spring. While a wooden freight shed has been in place during the season of 1919, the conditions warrant the construction of a permanent warehouse of the type built at other points. Such warehouse is planned to be of a length of approximately 1,200 feet, and when erected, permanent freight handling machinery will be installed. The principal development of the future at this point will be the construction of grain elevators, it having been deemed that the site is admirably adapted for that purpose. Here too it has been possible to permit of the docking of boats and as well to permit the use of the terminal for winter quarters for canal craft. The revenue received by the State has been considerable.

HALLET'S COVE, BOROUGH OF QUEENS

At the foot of Broadway, Hallet's Cove, in the borough of Queens, contract has recently been awarded for construction work which will include the dredging of a slip, the construction of a dock wall and repairs to the existing bulkhead. Under the terms of the contract, the work will be completed early in 1921.

FLUSHING, BOROUGH OF QUEENS

At Flushing, in the borough of Queens, a contract is now in progress under which a terminal harbor will be dredged, a dock wall constructed and a frame freight house built on the site. This work in all probability will be finished at the end of the coming year.

TERMINALS OUTSIDE NEW YORK CITY

LOCATION AND EQUIPMENT

Outside the Metropolitan district splendid terminal docks are in place at all points along the canal where there was any prospect of traffic. At many of these terminals and warehouses freight handling machinery are available. Below will be found a complete list of the terminals with the facilities existing at each point, in addition to the dock structures:

LOCATION	Type and size of warehouse	Freight handling machinery
Albany.....	Concrete and steel, 33' x 210'.....	{ 15 ton hand steel derrick 2 ton portable steam crane. Track connection
Amsterdam.....	Timber (2), 32' x 100'.....	1 ton derrick, electric
Buffalo.....	{ Timber, 32' x 200'..... Concrete and steel, 80' x 500'.....	2-2 ton portable steam cranes
Brewerton.....	Timber, 32' x 50'.....	{ ton hand derrick
Canajoharie.....	.....	.....
Cleveland.....	.....	.....
Cohoes.....	.....	.....
Crescent.....	.....	.....
Fonda.....	Timber, 16' x 100'.....	{ ton hand derrick
Fort Edward.....	Timber, 16' x 30'.....	{ ton hand derrick
Fort Plain.....	Timber, 32' x 100'.....	{ ton hand derrick
Frankfort.....	Timber, 16' x 60'.....	{ ton hand derrick
Fulton.....	Timber, 20' x 500'.....	{ ton hand derrick
Fulkner.....	Timber, (2) 16' x 100' and 20' x 33'.....	{ ton hand derrick
Herkimer.....	Timber, 16' x 30'.....	{ ton hand derrick
Holley.....	Timber, 16' x 60'.....	{ ton hand derrick
Ilion.....	.....	.....
Little Falls.....	Timber, 32' x 150'.....	{ 15 ton electric steel derrick 2 ton portable steam crane
Lockport (upper).....	Timber, 32' x 100'.....	{ ton hand derrick
Lockport (lower).....	Timber, 32' x 100'.....	{ ton hand derrick 15 ton hand derrick 2 ton portable steam crane
Lyons.....	Timber, 32' x 50'.....	{ ton hand derrick
Mechanicville.....	Timber, 16' x 30'.....	{ ton hand derrick
Medina.....	Timber, 24' x 70'.....	{ track connection
Oswego (lake).....	.....	{ 1-2 ton portable steel crane
Oswego (river).....	Timber, 32' x 50'.....	.....
Plattsburg.....	.....	.....
Port Henry.....	Timber, 16' x 30'.....	2 ton portable steam crane
Rochester.....	Timber, 32' x 200'.....	{ 15 ton electric steel derrick 1 ton hand derrick 1 ton conveyor
Rome.....	Timber, 32' x 200'.....	.....
Rouses Point.....	.....	{ ton hand derrick 1 ton portable electric conveyor
Schenectady.....	Timber, 16' x 100'.....	{ 2-2 ton portable steam cranes Track connection
* Schuylerville.....	.....	{ ton hand derrick
Spencerport.....	Timber, 16' x 30'.....	.....
St. Johnsville.....	.....	.....
Syracuse.....	Timber, 32' x 200'.....	{ 4-1 ton electric derricks 2-2 ton portable steam cranes
Thomson.....	.....	.....
N. Tonawanda.....	Timber, 24' x 100'.....	15 ton hand steel derrick
Tonawanda.....	Timber, 32' x 80'.....	2 ton portable steam crane
Troy (upper).....	Timber, (2) 16' x 50'.....	2-1 ton hand derricks
Troy (lower).....	Timber, 32' x 100'.....	2-2 ton steam cranes
Utica.....	Timber, 32' x 200'.....	Track connection
Watkins.....	.....	2-1 ton hand derricks
Weedsport.....	Timber, 16' x 30'.....	1-1 ton hand derrick
Whitehall.....	Concrete and steel, 33' x 114'.....	{ 15 ton hand steel derrick 2 ton portable steel crane

* The terminal at Schuylerville is located on a branch of the unimproved Champlain Canal and is available only for the use of craft of the ordinary canal boat type.

Considerable study has been given to the whole subject of terminal equipment, especially with reference to the proper type of freight handling machinery which should be installed. While I am confident that the present needs of commerce have been fairly met in this regard, the permanent equipment at any specific locality must depend upon the nature and volume of traffic using such port. Careful observations are being made to the end that the most suitable type of mechanical devices may be installed.

TERMINAL RULES AND REGULATIONS

Section 15 of Chapter 746 of the Laws of 1911, known as the Terminal Construction Act, authorizes and directs the Canal Board to prescribe rules and regulations for the management, administration and control of terminals, and provides that such rules and regulations shall be enforced by the Superintendent of Public Works. Inasmuch as the whole terminal project is a new venture on the part of the State, it has not been deemed wise to draft complete rules and regulations in advance of experience with their use. From time to time, however, rules have been prescribed and adopted by the Canal Board at my recommendation and these are submitted below:

Terminal Regulation 1. The word "Terminal" as used in these regulations shall mean and include the lands, docks, dock-walls, bulkheads, wharves, piers slips, basins, harbors, structures, tracks, facilities and equipment for loading and unloading and temporarily storing freight transported upon the barge canals of this State; constructed and acquired by the State in connection with the improvement and maintenance of the canal system. (Adopted August 20, 1919.)

Terminal Regulation 2. The terminals which may be used as ports of call, or for the mooring of vessels with no cargo to receive or discharge and which desire temporary dockage space, shall be designated by the Superintendent of Public Works; no terminal not so designated shall be used as a port of call or docking place without the written consent of the Superintendent of Public Works. In every case, however, vessels desiring to receive or dis-

charge cargo shall always have precedence over vessels using a terminal as a port of call or mooring place only, and the vessels last referred to shall promptly give way to any vessel desiring to use the space occupied for the actual receipt or discharge of freight. (Adopted August 20, 1919.)

Terminal Regulation 3. The management, administration and control of the terminals shall be under the Superintendent of Public Works and it shall be his duty to enforce all rules and regulations for the use of the same. He shall assign to said terminals such harbormasters and other employees as in his judgment the demands of traffic require, and as may be necessary for the proper operation and use of the terminals. Such harbormasters and other employees shall be under the control and direction of the Superintendent of Public Works and they shall exercise such authority and perform such duties as may be assigned to them by him. (Adopted August 20, 1919.)

Terminal Regulation 4. The State terminals in the city of New York and vicinity are for the use of freight-carrying boats engaged in navigating the State canals. No other boats or barges will be permitted to use the State wharves or terminals in and about the city of New York, excepting at such times as in the judgment of the Superintendent of Public Works or his representative, use can be granted without excluding any of the canal boats or barges above referred to or interfering with the prompt and convenient dockage of the same. (Adopted August 20, 1919.)

Terminal Regulation 5. In case the owner, captain or other person in charge of a vessel moored or docked at a terminal fails or refuses to obey directions given him by the harbormaster pursuant to these rules, or in case the harbormaster is unable, after reasonable inquiry and effort to communicate with the owner or captain of such barge, the harbormaster shall have authority to cause said boat to be moved away from said terminal, or from place to place at the same terminal, when the proper enforcement of these rules and regulations so requires, or as may be necessary to relieve congestion. The cost and expense incurred by the Superintendent of Public Works in moving the offending or

obstructing vessel shall be chargeable to the owner of said vessel or the person having the same under charter, and may be recovered by the Attorney-General in an appropriate action or proceeding instituted in the name of the people of the State of New York in any court of competent jurisdiction. (Adopted August 20, 1919.)

Terminal Regulation 6. The owner of the vessel who, or the captain or other person in charge of which, fails or refuses to obey any of these rules and regulations, including any directions given him or them by the harbor-master pursuant to these rules and regulations, shall be subject to a penalty of \$50 per day for each and every day's failure or refusal to comply therewith, to be recovered by the Attorney-General in an appropriate action or proceeding instituted in the name of the People of the State of New York in any court of competent jurisdiction. (Adopted August 20, 1919.)

Terminal Regulation 7. The dockage fees for the use of the canal terminals at piers Nos. 5 and 6, East river, New York City, shall be as follows:

For boats of the ordinary type heretofore used on the unimproved canals of the State, namely, those whose length does not exceed 98 feet, and whose width does not exceed 18 feet — 50 cents per day when loaded, and 30 cents per day when light.

For boats exceeding the above dimensions, and for lighters and barges engaged in lightering work in New York harbor, which obtain permission from Superintendent of Public Works to use said piers, one cent per running foot.

In cases where vessels loading or unloading derrick stone, old paving blocks, and asphalt from street surfaces are given permission by the Superintendent of Public Works to use said piers or either of them, the fees shall be as follows:

For derrick scow, \$1 per day; for boat lying next to dock or next to derrick, \$1 per day, and for any additional boats, one cent per running foot; for derrick scows occupying berth without scows or other vessels, \$2 per day. (Adopted October 15, 1919.)

Terminal Regulation 8. For the use of the canal terminals at Gowanus Bay, at Greenpoint, in the borough of Brooklyn, at Mott Haven, and at such other terminals as shall be declared open for use by the Superintendent of Public Works, dockage fees shall be as follows:

For boats of the ordinary canal type as described in Regulation No. 7, 50 cents per day when loaded and 30 cents per day when light.

For other boats and barges, for each vessel 100 feet in length or less, \$1 per day.

For a barge exceeding 100 feet in length, \$1 per day plus one cent for each running foot in excess of 100 feet.

For large steamers which may use said terminals from time to time, a special charge will be made by the Superintendent of Public Works based on the size and tonnage of the vessel, which charge shall be subject to the approval of the Canal Board. (Adopted October 15, 1919.)

Terminal Regulation 9. A period of 24 hours from the time of day or night when a boat reaches and docks at a terminal shall constitute a day for all vessels. A fraction of a day shall count as one day, and any vessel remaining any fraction of a day over 24 hours shall pay for another day. All dockage fees shall be payable to the Superintendent of Public Works, or his duly authorized representatives. The Superintendent of Public Works may in his discretion authorize the opening of credit accounts, but in such case payment of accrued fees must be made to the Superintendent of Public Works within five days after receipt of bill from him. (Adopted October 15, 1919.)

Terminal Regulation 10. During that portion of the closed season of canal navigation, extending from the 5th day of December to the 15th day of April, both inclusive, the fees for boats of the ordinary canal boat type, as described in Terminal Regulation No. 7, docked at the Gowanus Bay Terminal, in the borough of Brooklyn, shall be as follows:

For boats which are docked at said Gowanus Bay Terminal in the month of December and remain at such terminal continu-

ously until the 15th day of April, the dockage fee shall be twenty-five dollars (\$25) per boat.

For boats of the said ordinary canal boat type which are docked at said Gowanus Bay Terminal between said dates, but do not remain so docked continuously, but are moved therefrom, from time to time, the dockage fee shall be at the rate of twenty-five cents per day per boat.

To entitle a boat to the lump sum dockage rate of twenty-five dollars (\$25), the owner must notify the Superintendent of Public Works or his representative of his intention to moor his boat continuously at said terminal and must pay the specified rate to the Superintendent of Public Works or his representative, within 24 hours after the boat has been docked. Where a boat, placed at said terminal under the lump sum closed season rate, is removed therefrom and thereafter returned to said terminal within the period above specified, the rate of twenty-five cents per day will apply, but the sum of twenty-five dollars (\$25) paid by said boat owner shall be credited to him. (Adopted December 3, 1919.)

Terminal Regulation 11. For boats exceeding 100 feet in length which ply the canals of the State and desire winter quarters at Gowanus Bay Terminal, in the borough of Brooklyn, the dockage fees shall be \$1 per day per boat between the 5th day of December and the 15th day of April. (Adopted December 3, 1919.)

Terminal Regulation 12. During the closed season of canal navigation the use of the warehouse at the canal terminal on the Harlem river at 138th street in the borough of The Bronx, city of New York, for storage purposes, is hereby permitted.

The rate for the use of such space in said terminal warehouse as may be available during the closed season of canal navigation shall be \$200 per month. Written permit for the use of said warehouse for such purpose during the time specified must first be obtained from the Superintendent of Public Works. (Adopted December 3, 1919.)

Terminal Regulation 13. For boats commonly known in and about New York Harbor as "motor supply boats," that dock at

terminals in the city of New York or are moored in waters connected with said terminals, the rate shall be fifty cents per day for each such boat but not more than one charge shall be made against any one boat in any one day at the same terminal. (Adopted January 7, 1920.)

Terminal Regulation 14. For boats used on the State canals, of the deck house type, similar to those operated by the General Electric Company, of Schenectady, during the season of 1919, and which desire to use the terminals at Greenpoint or Gowanus Bay, Brooklyn, for winter quarters, a lump sum will be made for the winter season of fifty dollars (\$50) per boat. (Adopted January 7, 1920.)

Terminal Regulation 15. During the closed season of navigation the use of the warehouse on Pier 6, East river, New York City, for storage purposes is hereby permitted. The rate for the use of such space, in said terminal warehouse, as may be available during the present closed season, from January 15th to May 1st, shall be at a minimum rate of \$2,500 for such period of time. Written permit for the use of said warehouse for the time specified must first be obtained from the Superintendent of Public Works. (Adopted January 5, 1920.)

Terminal Regulation 16. During the closed season of canal navigation the use of the terminal warehouses, provided pursuant to Chapter 746 of the Laws of 1911, for storage purposes is hereby permitted; and also the use of such buildings as have been appropriated by the State in connection with the terminal improvement is hereby permitted for storage purposes during such time as the Superintendent of Public Works shall designate. Written permit for the use for storage purposes of any terminal warehouse or building appropriated in connection with the terminal improvement must first be obtained from the Superintendent of Public Works, and the rates to be fixed by him for such use shall be subject to the approval of the Canal Board. (Adopted January 7, 1920.)

Terminal Regulation 17. The use of railroad tracks on canal terminals is hereby permitted to railroad companies with

whose tracks said terminal tracks connect, for the operation thereon of locomotives of the railroad companies required in moving to or from the terminals all rolling stock necessary in the transportation of commodities going to or coming from ports on the canal system. (Adopted January 14, 1920.)

THE PRIZE LOCK.

Lock No. 4, of the Cayuga & Seneca Canal, situated at Waterloo, was awarded the distinction of being the prize lock for the season of 1919. Honorable mention was given to the following locks, their standing being in the order in which they appear:

Lock No. 11, Champlain; Lock No. 26, Erie Canal; Lock No. 3, Oswego Canal; Locks Nos. 21, 18 and 25, Erie Canal and Lock No. 8, Champlain Canal.

The competition has borne most satisfactory results. The friendly rivalry among the men has been an important factor in maintaining the force at a high degree of efficiency and the State's property has been maintained in a perfect condition. In making the decision as to the prize lock, the following basis of percentages was used; for perfect condition of machinery, 60 per cent; for appearance of grounds, 20 per cent; for appearance of power house, 20 per cent, making a total of 100 per cent.

The record for prize locks now stands as follows:

Year	Lock	Canal	Location
1915.....	28-B	Erie	Newark
1916	11	Champlain	Comstocks
1917.....	8	Champlain	Fort Edward
1918.....	8	Champlain	Fort Edward
1919.....	4	Cayuga and Seneca	Waterloo

SCHENECTADY-SCOTIA BRIDGE.

Chapter 735 of the Laws of 1917, as amended by Chapter 634 of the Laws of 1919, provides for the construction of a bridge across the Mohawk river and the Barge canal to take the place of the existing Schenectady-Scotia toll bridge, and for construct-

ing approaches thereto between State street and Washington avenue, in the city of Schenectady, and Mohawk avenue in the village of Scotia. The cost is apportioned in the act between the State, the city of Schenectady, the county of Schenectady and the village of Scotia. According to the plan adopted by the State Engineer and Surveyor, the whole project will be accomplished in four contracts, and plans and specifications for the first were completed and approved in July. The initial contract provided for the construction of the abutments and approaches on both the Schenectady and Scotia ends of the bridge.

After due advertisement, bids were received on September 12th, the lowest proposal being submitted by the Walsh Construction Company of Davenport, Iowa, in amount \$198,568.90 as compared with the State Engineer's estimate of \$192,911.

By the provisions of the act, that portion of the contract which provided for the building of the Schenectady abutments and approaches was to be met by the city of Schenectady, the cost of the Scotia approach was to be paid by the village of Scotia up to the sum of \$50,000, plus its share of the purchase price of the Schenectady-Scotia toll bridge, and the balance by the city of Schenectady. The Scotia abutment was to be paid for by the State of New York. Since the law specifically designated the source from which the moneys were to come to meet a large portion of the cost of the first contract, it was the opinion of the Attorney-General that the Superintendent of Public Works was without power to award the contract and thus bind the State for the full amount of the same, until the moneys specified to be paid by the city of Schenectady and village of Scotia had actually been deposited to his credit. Although both the city and the village were duly and promptly notified of the exact sums required to meet the contract price, funds of the city of Schenectady were not made available until October 21st, and the moneys of the village of Scotia were not received until December 3rd. The contract was awarded on December 3rd.

After receipt of notice of the award, the lowest bidder, the Walsh Construction Company, declined to execute the contract and the bonds connected therewith, alleging that since the date its bid was offered, the cost of materials and labor actually needed

in the work had increased to such extent that it was no longer in position to accept the work on the basis of its figures submitted on September 12th. The sum deposited by the bidder with his proposal was thereupon declared forfeited to the State. Bids will again be asked for the work within the near future.

In connection with this whole matter, I desire to call your attention to certain provisions of the law with which it may not be within the power of Superintendent of Public Works to comply. I refer to section 1 of the act, as amended by Chapter 634 of the Laws of 1919, in which the Superintendent of Public Works is authorized and directed to enter into the necessary contract or contracts for the construction of the bridge and its abutments "for an amount not to exceed in the aggregate \$1,734,000." This total is to be made up of the moneys to be contributed by the city of Schenectady and the village of Scotia, as referred to above, the sum of \$100,000 by the county of Schenectady and the balance by the State. Of the State's share, the sum of \$500,000 will be made available from the Barge Canal moneys and the balance shall be hereafter appropriated by the Legislature from the general fund. The law is again specific as to the aggregate cost to the State of the construction in that in section 8 of the act, as amended by Chapter 634 of the Laws of 1919, it provides "the aggregate cost to the State of the construction of the improvement described in this act, exclusive of the amount to be paid by the city of Schenectady, the county of Schenectady and the village of Scotia, shall not exceed \$1,391,000, of which not more than \$891,000 shall be hereafter appropriated from the general fund."

Therefore, it will be seen that while the Superintendent of Public Works is directed to enter into the necessary contract or contracts for the construction of the bridge in its entirety, he is distinctly limited not only as to the total cost but also as to the amount for which the State shall be obligated.

The estimate on which the amounts named in the act were based were made up more than a year ago, and it is a matter of common knowledge that since that time considerable advances have been made in the price of labor and material. I have no knowledge as to the amount for which the first division of the

work may be placed under contract when bids are again received, but it is reasonably certain with the experience already had by the department that the estimate of the engineer's cost of the work, made more than a year ago, will be exceeded. The same conditions will apply to the second contract which will include construction of the river piers. And it is likely to develop that "the aggregate cost to the State of the construction of the improvement" will exceed the limit laid down by the statute. With the first and possibly the second contract underway, should the conditions I expect and fear prevail, the Superintendent of Public Works would be faced with an apparent violation not only of the act providing for the construction of the bridge, but the provisions of the State Finance Law as well. With the situation as it at present exists in industrial fields a direction to a State officer to carry forward to completion a project of so great a magnitude as this should not be coupled with a limitation of the aggregate cost to an estimate made so long ago.

Therefore, I recommend to your honorable body that the provisions of the act authorizing the construction of the bridge be amended by striking from it the definite limitation as to cost or in such other manner as in your opinion will remedy the situation as it is now known to exist.

ACQUISITION OF THE HUDSON BRIDGE

During the year just past, the bridge spanning the Hudson river between the cities of Albany and Rensselaer was acquired by the State pursuant to the provisions of Chapter 642 of the Laws of 1919, and its maintenance and operation made a duty of the Superintendent of Public Works. On its acquisition by the State tolls were abolished and the bridge made free to the public.

This structure is one of the most important bridges in the State. It not only spans the State's most important river but also carries the trunk highway leading to the city of New York from the north and west.

The actual transfer of title to the State took place in the late afternoon of July 2, 1919, and was marked with simple

but fitting ceremonies. The Governor of the State was present together with other State officers, as well as city officials of all adjacent municipalities and representatives of civic organizations of the counties of Albany and Schenectady, and hundreds of citizens. The last toll on the bridge was paid by the Governor. He was then informed by the Attorney-General that all legal requirements incidental to the acquisition of the structure had been met, and the title was formally vested in the State. The structure was thereupon accepted by the Governor on behalf of the State, and duly transferred to the Superintendent of Public Works to maintain and operate it for the benefit of the public. From that time, at the Governor's suggestion, the structure has been known as the "Hudson Bridge."

The care of the structure thus placed in charge of this department is a most important matter. As organization was at once effected not only for the efficient operation of the draw in the interests of navigation, but also to protect and properly maintain the structure itself, many repairs to the bridge have been necessary. While the main structure itself is in fair condition, the flooring and other portions of it were found to be in need of improvement, and the necessary work was begun almost immediately. Upon a thorough examination it has been found that to perform all of the improvements which seem to be necessary to make the bridge safe for heavy traffic crossing it, an appropriation of at least \$140,000 will be needed.

CONSTRUCTION CONTRACTS ADVERTISED AWARDED OR ACCEPTED AS COMPLETED

During the year 1919 bids were received on 13 Barge Canal Contracts, and awards were made in the case of 10, totaling \$1,371,571.75. Bids on three contracts were rejected.

On the Cayuga and Seneca Canal two contracts were awarded, having a total of \$27,392.50.

Bids were received on 25 Terminal Contracts, awards having been made on all, totaling \$1,080,484.66. In addition to this amount, bids were also received for Terminal Contract No. 70, the terms of which provide for the payment to the State by the

contractor of the sum of \$4,267, which makes a grand total of the terminal work, amounting to \$1,076,217.66.

On Terminal Contract No. 108, bids were received on October 21st, but were rejected, and were again received on November 11th, when the contract was awarded.

Bids for Terminal Contract No. 116, Revised, were advertised to be received on November 25th. It appearing, however, that sufficient time would not be available for bidders to fully comply with the terms of the bidding relative to the submission of diagrams and stress sheets, the advertisement was withdrawn and a new date set for receiving bids, namely, December 23rd. While the contract has not yet been officially awarded, the amount of the low bid, namely, \$56,280, has been included in the total given for the 1919 work.

Award of contracts under special acts of the Legislature during 1919 amounted to \$118,902.70, making a grand total of all contract awards for the year of \$2,594,084.61.

During the year the Canal Board, by resolution, authorized the acceptance of 17 Barge Canal Contracts, of which final accounts were paid on 15. In addition to this, final accounts were paid on three Barge Canal Contracts accepted in 1918.

On the Cayuga and Seneca Canal three contracts were accepted and the final accounts paid.

The Board also during the year authorized the acceptance of 24 Terminal Contracts and adopted resolutions authorizing the payment of final accounts on 16 of this number, and on six contracts which were accepted during 1918.

Of the work carried on under special acts of the Legislature awarded previous to the year 1919, the department accepted six contracts and in addition made payment of final account on one other accepted during the year 1918.

BARGE CANAL CONTRACTS

ADVERTISED AND AWARDED SINCE JANUARY 1ST, 1919.

Contract number	DESCRIPTION	Bids received	Amount of award
197.....	For drilling holes in the sill of the dam and the toe of the river wall of the lock near Rotterdam, and making necessary repairs. Contract awarded to J. W. Holler, of Fort Edward, N. Y.	Jan. 1	\$27,780 00
191.....	For excavating the canal channel in the Genesee river south of the temporary dam near Elmwood Avenue bridge. Contract awarded to Emme Engineering Co., Inc., of New York City.	Jan. 7	176,170 00
192..... (Readvertisement)	For completing the canal from the east guard lock to the Genesee river and the work in Genesee Valley Park. Awarded to Brown & Lowe Co., Schenectady, for the sum of \$428,860.	Jan. 7	428,860 00
300.....	For driving steel sheet piling, placing concrete lining and incidental work between Rochester and Lockport. Contract awarded to Lupfer & Remick, of Buffalo.	Feb. 18	180,248 50
201.....	For completing the concrete prism lining at Cartersville and constructing a stream entrance near Knapp's bridge. Awarded to I. M. Ludington Sons, Inc., Rochester, N. Y.	Feb. 18	42,824 75
190.....	For completing the canal from King's Bend to the Lehigh Valley Railroad crossing at Rochester. Awarded to Empire Engineering Co., Inc., N. Y. City.	Mar. 11	245,191 00
144-A.....	For completing the construction of two concrete bridges over Red creek in Genesee Valley Park, Rochester. Awarded to Brown & Lowe Co., and Law Bros., Schenectady, N. Y.	Aug. 12	69,286 30
194.....	For completing the excavation of the canal between Crocker's Reef and Fort Edward. Bids rejected.	Aug. 12	.....
196.....	For constructing the sub-structure, super-structure and approaches of a highway bridge across the Barge canal below Lock 26-A, Lyons, N. Y. Awarded to Lupfer & Remick, Buffalo.	Aug. 12	44,104 70
152..... (Revised)	For rebuilding the upper end of Lock 35 at Lockport. Awarded to Lupfer & Remick, Buffalo.	Oct. 28	126,846 50
189.....	For completing prism excavation between Fairport and King's Bend. Awarded to Lathrop, Shea & Henwood Co., of Buffalo.	Nov. 25	80,260 00
202.....	For completing the excavation of the canal channel in the Genesee river from the north end of Contract No. 191 near Elmwood avenue to the Erie Railroad crossing. Bids rejected.	Nov. 25	.....
Schenectady-Scotia bridge.....	For constructing the abutments and approaches of a reinforced concrete bridge to extend from the junction of State street and Washington avenue in the city of Schenectady across the Barge Canal Terminal channel, Van Slyck Island, the Barge Canal main channel, Hog Island, and the Scotia channel, to a point about 300 feet north of the junction of Schonowee avenue and Mohawk avenue in the village of Scotia. On December 3d, the contract was awarded to the Walsh Construction Company, of Davenport, Iowa, who refused on December 12th to enter into same.	Sept. 12	.....
Total amount of awards			\$1,371,571 75

BARGE CANAL — CAYUGA AND SENECA

Contract number	DESCRIPTION	Bids received	Amount of award
T.....	For extending the core wall and other work at the north end of Dam No. 2, Seneca Falls. Awarded to Kennedy & Scullen Const. Co. Inc., Cohoes, N. Y.....	Jan. 14	\$22,330 50
Q.....	For constructing pile dolphins for aids to navigation on Cayuga and Seneca lake. Awarded to W. F. Martens, Rochester.....	Feb. 18	5,092 00
			\$27,392 50

TERMINAL CONTRACTS

ADVERTISED AND AWARDED SINCE JANUARY 1ST, 1919.

Contract number	DESCRIPTION	Bids received	Amount of award
102.....	For furnishing and installing two three-ton electric, semi-portable, revolving jib cranes on Pier 6, East river, N. Y. City. Awarded to Edward F. Terry Mfg. Co., N. Y. City.....	Jan. 14	\$41,081 00
57.....	For constructing certain parts of an approach from Court street and South avenue to the Barge Canal Terminal at Rochester. Awarded to Chas. Kiehn, Utica, N. Y.....	Feb. 18	120,597 61
69.....	For protecting the shore of Erie Basin between Lake street and Slip No. 1 at Buffalo. Awarded to Richard C. Bush, Tonawanda, N. Y.....	Feb. 18	5,886 00
107.....	For installing electric wiring, lighting, power and battery charging equipment for the canal terminal at Erie Basin, Buffalo. Awarded to J. Livingston & Co. Inc., N. Y. City.....	Feb. 18	28,238 59
223.....	For constructing a Barge Canal Terminal freight shed at Greenpoint, Brooklyn, N. Y. City. Awarded to Post & McCord, N. Y. City.....	Feb. 18	75,718 94
226.....	For constructing a frame freight house and compacting gravel surfacing on the river terminal at Oswego. Awarded to J. A. LaPorte, Albany, N. Y.....	Apr. 4	5,199 00
227.....	For constructing a frame freight house at Gowanus Bay, Borough of Brooklyn, N. Y. Awarded to J. A. LaPorte, Albany, N. Y.....	Apr. 4	9,189 00
44-P.....	For paving parts of the Terminal site at Mott Haven, Greenpoint, and Gowanus Bay. Awarded to the Asphalt Const. Co., N. Y. City.....	Apr. 29	81,360 00
77.....	For dredging at the Barge Canal Terminals at Piers 5 and 6, East river, at Greenpoint and at Long Island City, N. Y. Awarded to New Jersey Ship Building & Dredging Co., Bayonne, N. J.....	Apr. 29	42,895 00
218.....	For constructing a Barge Canal Terminal Freight shed on Pier 93, West 53d street, North river, New York City. Awarded to Donnell-Zane Co., Inc., N. Y. City.....	Apr. 29	46,649 20

TERMINAL CONTRACTS — *Continued*

Contract number	DESCRIPTION	Bids received	Amount of award
217-P.....	For installing plumbing and water supply systems in the Barge Canal freight house at Long Island City, N. Y. Awarded to Altman Plumbing Co., N. Y. City.	May 13	\$3,765 00
52-P.....	For paving Pier 6, East river, borough of Manhattan, N. Y. City. Awarded to Sicilian Asphalt Paving Co., N. Y. City.	June 3	11,225 00
113.....	For furnishing, testing and delivering electric capstans and trolley hoists at various Barge Canal Terminals.	June 3	14,090 00
117.....	Awarded to General Electric Co., N. Y. City For furnishing, testing and delivering battery charging, motor generator sets, with switch board panels, for Barge Canal Terminals in N. Y. City.	June 3	5,292 52
43.....	Awarded to The Electric Products Co., Cleveland, Ohio. For constructing a Barge Canal Terminal and a frame freight house at Flushing, borough of Queens, N. Y.	July 15	151,340 00
112.....	Awarded to McHarg-Barton Co., of N. Y. City. For furnishing, delivering and testing industrial, freight handling, trailers, and stevedore freight handling trucks for Barge Canal Terminals in N. Y. City.	July 15	9,250 00
108.....	Awarded to the Lansing Co., of Delaware, N. Y. City. For installing electric wiring and lighting, power and battery charging equipment for Barge Canal Terminal at the foot of North James street, L. I. City, borough of Queens, N. Y. City.	Oct. 21	.....
108.....	Bids rejected. For installing electric wiring and lighting, power and battery charging equipment for Barge Canal Terminal at the foot of North James street, L. I. City, borough of Queens, N. Y. City.	Nov. 11	5,299 00
36-A.....	Awarded to T. Frederick Jackson, Inc., N. Y. City. For constructing an extension to the existing dock wall and a frame freight house at Cohoes.	Nov. 25	39,665 00
45.....	Awarded to Holler-LaDu Corp., Albany, N. Y. For constructing a Barge Canal Terminal at Hallett's Cove, borough of Queens, N. Y. City.	Nov. 25	255,275 00
116..... (Revised)	Awarded to Mohawk Dredge & Dock Co. Inc., Herkimer, N. Y. For furnishing and installing four three-ton electric semi-portable revolving jib cranes on Barge Canal Terminals, two each at Greenpoint and West 53d street, N. Y. City.	Dec. 23	56,280 00
203-P.....	It is expected award will be made within a few days. Low bidder, Shepard Electric Crane & Hoist Co., Montour Falls, For installing plumbing fixtures in the frame freight house on the lower terminal at Troy.	Dec. 10	665 08
212-H..... (Revised)	Awarded to M. J. Flannery & Son, Troy, N. Y. For installing a heating system in the terminal freight house on Pier 1, Erie Basin, Buffalo.	Nov. 29	3,540 00
212-P..... (Revised)	Awarded to Power Efficiency Corp., Buffalo. For installing a plumbing system in the terminal freight house on Pier 1, Erie Basin, Buffalo.	Nov. 25	3,394 00
	Awarded to James J. Brennan, Buffalo.....		

TERMINAL CONTRACTS — *Concluded*

Contract number	DESCRIPTION	Bids received	Amount of award
225.....	For constructing a head house and installing a water main and electrical work on Pier 93, West 53d street, N. Y. City. Awarded to Fox-Reynolds Co. Inc., N. Y. City.....	Nov. 25	\$51,197 30
228.....	For constructing a frame freight house and placing and compacting gravel surfacing on the terminal site at Rochester. Awarded to W. F. Martens, Rochester.....	Dec. 16	13,492 50
	Total amount of awards.....		\$1,080,484 66
	In addition to the above bids were also received on March 25th for Terminal Contract No. 70, which provides for razing buildings and clearing State lands at Rochester. This contract was awarded to Geo. W. Chambers, of Rochester, N. Y. According to the terms of the contract the contractor is to pay to the State the sum of \$4,267.....		4,267 00
			\$1,076,217 66

WORK AUTHORIZED BY SPECIAL LEGISLATIVE ACTS

I give below a statement showing the contracts awarded during the past year for work authorized by special acts of the Legislature:

DESCRIPTION	Bids received	Amount of award
Chapter 626, Laws of 1917, for constructing a concrete culvert over Eighteen Mile creek from the east line of Pound street approximately to the east line of Lock 6, Section 14, township 14, range 6, a distance of approximately 940 feet, Lockport, Niagara county, N. Y. Awarded to Savage Construction Co., Buffalo, N. Y.....	Apr. 11	\$11,070 50
Chapter 346, Laws of 1918, for constructing an eight foot pipe culvert across the Barge canal at Rome, N. Y. Bids asked for May 14, 1919. None received. Readvertised, bids received May 22, 1919. Awarded to Scott Bros., Rome, N. Y.....	May 22	46,731 20
Chapter 177, Laws of 1919, for construction of addition to State Armory at Malone, N. Y. Construction, J. D. Flack, Heuvelton, N. Y.....		31,395 00
Heating, Ryan Plumbing & Heating Co. Watertown.....	Sept. 12	5,417 00
Sanitary, Ryan Plumbing & Heating Co. Watertown.....		2,709 00
Electric work, Crocker Nat. Fire Prev. Eng. Co., N. Y. City.....		1,675 00
Chapter 637, Laws of 1919, constructing a through plate girder bridge over the Cuba Reservoir Spillway on the line of the Cuba-Clean Highway in the town of Cuba, N. Y. Awarded to John B. Smith, Cuba.....	Nov. 6	19,903 00
Total amount of awards.....		\$118,902 70

BARGE CANAL CONTRACTS COMPLETED SINCE JAN- UARY 1, 1919

CONTRACT NUMBER	Date of resolution, Canal Board, acceptance and payment of 90 per cent retained percentage	Date of resolution, Canal Board, payment of final account
42-A*	July 24, 1918	March 5, 1919
46-B	April 16, 1919	July 16, 1919
83	June 25, 1919	July 16, 1919
148	November 19, 1919	July 16, 1919
156*	December 27, 1918	February 13, 1919
161	April 2, 1919	August 20, 1919
164	October 1, 1919	
165	January 15, 1919	April 2, 1919
167	November 18, 1919	December 17, 1919
168	October 1, 1919	October 15, 1919
170*	December 18, 1918	April 16, 1919
179	September 17, 1919	October 15, 1919
181	March 19, 1919	April 16, 1919
182	September 17, 1919	November 5, 1919
183	June 11, 1919	September 17, 1919
185	July 16, 1919	September 17, 1919
187	July 16, 1919	August 20, 1919
188	November 3, 1919	December 17, 1919
197	August 20, 1919	August 20, 1919
200	July 16, 1919	August 20, 1919

CAYUAGA AND SENECA CANAL CONTRACTS COM- PLETED SINCE JANUARY 1st, 1919

CONTRACT NUMBER	Date of resolution, Canal Board, acceptance and payment of 90 per cent retained percentage	Date of resolution, Canal Board, payment of final account
Q	July 16, 1919	September 17, 1919
R	May 21, 1919	August 20, 1919
U	April 16, 1919	August 6, 1919

TERMINAL CONTRACTS COMPLETED SINCE JAN- UARY 1st, 1919

CONTRACT NUMBER	Date of resolution, Canal Board, acceptance and payment of 90 per cent retained percentage	Date of resolution, Canal Board, payment of final account
8-P*	December 18, 1918	January 22, 1919
10-P*	December 4, 1918	January 15, 1919
15-M	May 21, 1919	June 25, 1919
27-P*	November 13, 1918	February 19, 1919
28	December 17, 1919	
32-P*	October 16, 1918	January 15, 1919
37*	November 19, 1918	April 16, 1919
38	November 19, 1919	
42	December 3, 1919	
44	February 26, 1919	August 6, 1919
44-P	October 15, 1919	
52-P	September 17, 1919	September 17, 1919
56	February 26, 1919	June 11, 1919

* Refers to acceptance of contract previous year.

TERMINAL CONTRACTS COMPLETED SINCE JANUARY 1, 1919
— Concluded

CONTRACT NUMBER	Date of resolution, Canal Board, acceptance and payment of 90 per cent retained percentage	Date of resolution, Canal Board, payment of final account
58.....	September 17, 1919.....	October 1, 1919
61.....	August 6, 1919.....	August 20, 1919
62.....	August 6, 1919.....	August 20, 1919
66.....	September 17, 1919.....	October 1, 1919
67.....	August 6, 1919.....	August 20, 1919
68.....	August 6, 1919.....	August 20, 1919
69.....	September 17, 1919.....	October 1, 1919
70.....	December 17, 1919.....	
77.....	November 5, 1919.....	
103-A.....	December 17, 1919.....	
207.....	October 15, 1919.....	
213.....	May 21, 1919.....	June 25, 1919
214.....	April 16, 1919.....	April 16, 1919
221.....	March 19, 1919.....	March 19, 1919
222*.....	November 19, 1918.....	February 13, 1919
226.....	August 6, 1919.....	October 15, 1919
227.....	September 17, 1919.....	September 17, 1919

* Refers to acceptance of contract previous year.

As to the special pieces of work placed under contract previous to 1919, the following contracts were brought to completion:

DESCRIPTION	Date of acceptance	Final account
Chapter 781, Laws of 1917, for dredging and otherwise improving Cowasselon creek in the county of Madison.....	Dec. 27, 1918	Jan. 15, 1919
Chapter 428, Laws of 1918, for making repairs to the sea walls between East Marion and Orient Point, Long Island.....	Jan. 15, 1919	Feb. 13, 1919
Chapter 756, Laws of 1917, construction of concrete dock wall at Canandaigua Lake harbor, county of Ontario.....	May 21, 1919	May 21, 1919
Chapter 761, Laws of 1917, construction of through truss bridge over old Erie canal at Hertel avenue, Buffalo.....	June 11, 1919	Aug. 6, 1919
Chapter 181, Laws of 1917, and Chapter 151, Laws of 1918, for elimination of High street bridge, Cohoes.....	Aug. 6, 1919	Aug. 6, 1919
Chapter 753, Laws of 1917, construction of Whitesboro street bridge, Rome.....	Aug. 20, 1919	Oct. 1, 1919
Chapter 624, Laws of 1913, and amendatory laws, for completion of Ellicott Creek improvement, Erie county.....	Sept. 17, 1919	Oct. 1, 1919

In addition to the above, the repair and improvement of Guy Park House at Amsterdam was continued by the department forces, pursuant to Chapter 177 of the Laws of 1919, and the work is now nearing completion.

The clearing of the channel of Griffin creek in the village of Cuba, as authorized by Chapter 565 of the Laws of 1918, which was begun in the previous season, was continued and the work has been progressed to practical completion by the forces of the department.

Chapter 605 of the Laws of 1919 provided an appropriation of \$25,000 for carrying on and completing the flood abatement improvement project on the Allegany river and Olean creek, which work had heretofore been progressed by the forces of the department after the contract for the same had been suspended. The additional work was brought to a close during the late fall.

The improvement of the Chadakoin river at Jamestown, as authorized by Chapter 724 of the Laws of 1915, was also completed. This was undertaken by the department forces when the contract which had been entered into by the State had been suspended owing to unsatisfactory progress.

In addition, there was also progressed by the department forces the work of installing pile fenders at the terminal dock on Lake Champlain at Port Henry as authorized by Chapter 235, and the construction of concrete sidewalks on old canal lands in the village of Holley, as provided by Chapter 589.

BRIDGES SPANNING ABANDONED CANAL

Continuing the work of removing structures spanning parts of the canal system which have been abandoned for actual use, the following bridges were removed during the season, and crossings on solid embankments substituted:

Eastern Division:

- Bridge No. 27 — High Street bridge, Cohoes.
- Bridge No. 53 — Maxon's bridge, Schenectady.
- Bridge No. 36 — Brickyard bridge, Crescent.
- Bridge No. 104 — Elizabeth Spraker bridge, Sprakers.
- Bridge No. 108 — Van Alstine or Minster bridge, one-half mile east of Canajoharie.
- Bridge No. 116 — Fort Plain lift bridge, Fort Plain.
- Bridge No. 139 — Snell's bridge, one-half mile east Lock 18, Little Falls.
- Bridge No. 20 — Reed's bridge, near old Lock 8.
- Bridge No. 35 — Wood's bridge, Stillwater.
- Bridge No. 37 — Price's bridge, Stillwater.
- Bridge No. 45 — Curtis bridge, Wilbur's Basin.

Middle Division:

- Bridge No. 100 — Main Street bridge, Memphis.
- Bridge No. 112 — Brutus Street bridge, Weedsport.
- Bridge No. 115 — Main Street bridge, Port Byron.
- Bridge No. 119 — McLouds bridge, between Port Byron
and Montezuma.
- Bridge No. 123 — Clark Street bridge, Montezuma.
- Bridge No. 121½ — Foot bridge at Montezuma.
Cayuga and Seneca
- Free bridge across Cayuga level, two miles north of the vil-
lage of Cayuga.
- Mallory's bridge across Cayuga level, one mile south of
Montezuma.

Western Division:

- Bridge No. 1 — East Wayne county line.
- Bridge No. 2 — Pit Lock.
- Bridge No. 3 — Waldruff's.
- Bridge No. 6 — Sigman's, west of Lock 53.
- Bridge No. 7 — Barker's.
- Bridge No. 8 — Long's.
- Bridge No. 9 — Lock Berlin, east of Lock 54.
- Bridge No. 10 — Horton's.
- Bridge No. 11 — Goetzman's (Farm bridge).
- Bridge No. 12 — Klau's.
- Bridge No. 13 — Richmond's.
- Bridge No. 14 — Cole's.
- Bridge No. 21 — Mosher's.
- Old bridge at Sodus street, Clyde, over Clyde river.
- Bridge No. 16 — Water street, Lyons, work completed in
1919.
- Bridge No. 17 — Montezuma (Church street), Lyons, work
completed in 1919.

IMPORTANT CANAL REPAIRS PROGRESSED

For the purpose of maintaining the canal system in an efficient state for navigation purposes, a considerable amount of repairs were necessarily performed. Among the more important jobs, I desire to mention the following:

At Lock No. 10 in the canalized Mohawk river at Cranesville, the river wall of the structure was found to have been badly damaged. A portion of it, as well as the chamber of the lock, was undermined by the action of the water, and in order to save the lock from destruction, extensive work was planned and performed. The sum of \$44,221.37 was expended here.

At the movable dam crossing the canalized Mohawk river adjacent to Lock No. 8, at Scotia, serious conditions were also discovered. Upon investigation it was found that the dam itself had been seriously affected by the scour of the water and strengthening was at once planned and progressed. Up to the close of the season of 1919, the sum of \$53,626.89 had been expended on this structure.

Considerable work also was found necessary along the river bank below Dam No. 1 on the canalized Hudson river to protect the bank which had been damaged by the flow of water from the dam. A large amount of riprap protection was placed at this locality and at various other points on the Champlain canal in order to save private property and adjacent highways from damage and destruction. The moneys expended on this work amounted during the season to \$39,566.26.

Underneath the foot bridge at Whitehall, in the channel of the Champlain canal, a solid ledge of rock was discovered early in the season and to make possible navigation by the large draft boats, the same was removed at an expense of \$6,323.79.

I refer especially to these four items on account of the fact that the extensive nature of the same had not been anticipated at the time the department made requisition for repair funds to cover the year 1919. Inasmuch as the appropriation made for canal repairs did not include provision for the performance of these emergencies, the department's repair fund has become so depleted that a sufficient balance does not remain to cover the actual needs for the balance of the twelve months for which the appropriation was made available. It was therefore necessary for the department to include in its requisition recently submitted to your honorable body a request for an appropriation of \$143,000 to supplement the current year's repair funds. The making of these moneys available at the earliest possible date is earnestly requested in order that the same may be in hand to meet the cost

of the work which must be done before the canal is opened to navigation for the season of 1920.

Much other work was performed generally throughout the canal system in maintenance and ordinary repairs, particularly in the way of clearing the channel of obstructions. As a result, as stated in another part of this report, the channel was placed in splendid condition. While almost the entire route received attention in order to secure a proper depth of water, the localities at which the dredging was found most essential were as follows:

In the Champlain canal south of Fort Edward and at various points between that place and Whitehall; in the Erie canal, both east and west of Lock 14 and at other localities in the canalized Mohawk river; and in the vicinity of Lyons and the Canandaigua outlet.

Supplementing the use of the department's dredging plant, the services of outfits owned by outside parties were utilized.

BLACK RIVER CANAL IMPROVEMENT

The improvement of the Black River canal authorized by Chapter 564 of the Laws of 1918, which was begun in the late summer of that year, so far as the rebuilding of the dilapidated structures is concerned, is now practically completed. Considerable dredging needs to be done in the river sections between Lyons Falls and Carthage, where a large amount of silt and gravel material has been washed into the channel at the stream entrances. Plans have been completed for the performance of this work in the early spring.

Pursuant to the provisions of the act, the work was performed by department forces and the cost has been kept well within the estimate made two years ago, in spite of the fact that since that time considerable advances have been seen in the cost of both labor and materials.

The work already done includes the rebuilding of Locks Nos. 106 and 107 at Lyons Falls, new concrete structures being substituted for those of masonry type; the repair of Locks Nos. 104, 105, 108 and 109; and new river locks, known locally as "steamboat" size, have been constructed at Otter Creek and at Beech's Landing in the canalized Black river.

With the completion of the river dredging, it is expected that navigation on the waterway will be established in midsummer as far northerly as Carthage, the point specified in the act. The placing of the canal again in a condition for use will undoubtedly bring to the Barge Canal system considerable increase of commerce. The territory which the waterway serves contains many industrial establishments, and there is every reason to believe that shippers will avail themselves of the opportunity which will be presented for the cheaper transportation of freight.

Of the original appropriation of \$170,000, there remains an unexpended balance of approximately \$40,000. In order that these moneys will be available for the finishing of the improvement, it will be necessary for the same to be reappropriated at the present session of the Legislature.

CONDITION OF BRIDGES

The work of maintaining in a safe condition for traffic the bridges spanning waterways under the jurisdiction of this department has always presented a serious problem. The need of repairs is constant. It is well known that in all parts of the State the volume of highway travel has largely increased and the vehicles which must cross the canal bridges have greatly increased in weight, thus imposing upon the structures burdens which had not been anticipated at the time some of them were designed and built. While strengthening work is performed where the same is found necessary and possible, there are some bridges whose type is such that they cannot be made adequate for present needs without an entire rebuilding. The department has made every effort to ascertain the location of all structures coming within this class, and has enlisted the aid of the State Engineer and Surveyor, for the purpose of discovering the actual necessities.

I realize that the construction of new bridges at all of the places where the existing conditions seem to make the same desirable, would involve the expenditure of a large amount of money, but nevertheless the safety and convenience of highway traffic demands that the subject receive serious and prompt consideration at your hands. I give you below a list of structures whose condition as reported to me is such as to require their

entire rebuilding, the amounts given being based on estimates of cost prepared by the State Engineer and Surveyor:

LOCATION	Estimated cost of new structure
Broad Street bridge, Waterford.....	\$25,000
Stanwix Street bridge, Rome.....	25,000
Hillside Change bridge, Black River canal	40,000
Diefendorf bridge, Black River canal.....	35,000
Baker bridge, Black River canal.....	35,000
Hall Farm bridge, Black River canal.....	35,000
Port Leyden bridge, Black River canal	33,000
Notre Dame street, Fort Edward.....	37,000
East Street bridge, Fort Edward	35,000
Pearl Street bridge, Hudson Falls	37,000
New Hamburg bridge over Wappingers creek, Dutchess county	35,000

A description of the conditions existing at each of these localities already has been submitted to the legislative committees in charge of the making of appropriations.

SURPLUS CANAL WATERS

In the reports of my predecessor, recommendation has been made to your honorable body as to the necessity for the enactment of legislation which will permit of the disposal of canal water power where the same is available. I desire to call this matter to your attention again.

Along the line of the canal, a considerable amount of water power exists, which while subject to variation of greater or less extent on account of the unstability of the water supply and the needs of navigation, is yet available for use for manufacturing purposes. In amount, the available supply would aggregate many thousand horse power.

At present, neither the Canal Board nor the Superintendent of Public Works possesses legal authority to dispose, either by sale or lease, of canal waters, even when they exist in considerable surplus quantities, owing to the provisions of section 16 of the Barge Canal Construction Act, as amended by Chapter 494 of the Laws of 1907. This section prohibits the lease, sale

or other disposal of any surplus waters created as a result of the canal improvement, until such improvement has been officially completed and until a statute is enacted setting forth rules and restrictions governing such disposition. For all practical navigation purposes, the improvement work may be said to have been completed.

In the absence of legislative authority, I find that it has been the policy of the department for the purpose of encouraging and fostering industrial activity, when a surplus of water over and above canal needs existed, to cause the same to be discharged in such manner and at such places as would benefit those desiring to use it, but no right to the use of such water was recognized. In only three cases have permits been issued and a revenue obtained by the State for the diversion of the canal water. These instances are at Lockport on the Erie canal; at Fulton on the Oswego canal and at Northumberland on the Champlain canal. The granting of such permits, even though they be revocable in form, is open to legal question in view of the specific prohibition of section 16 of the Barge Canal Act, but aside from that defect, such method does not place the use of the water on a definite basis.

From the studies made by my department, I find that water-power exists along the line of the canal at some 17 points and these are listed below, together with notation as to ownership and development:

LOCATION	Ownership	Development
Crescent Dam.....	State owns whole flow of river.....	None.
Vischer's Ferry Dam.....	State owns whole flow of river.....	None.
Rocky Rift.....	State owns whole flow of river.....	None.
Cannadeno.....	State owns whole flow of river.....	None.
Fulton (Oswego river).....	Partly owned by State and partly by outside parties.....	Developed.
Minetto (Oswego river)....	State owns east half of river's flow.....	West half developed.
High Dam (Oswego river)...	Owned by State but applied for by city of Oswego.....	None.
Cayuga.....	Whole flow owned by State.....	None.
Clyde.....	Whole flow owned by State.....	None.
Rochester.....	Flow from canal into river and certain rights in Genesee river owned by State.....	Developed.
Medina.....	Owned by State but use interferes with navigation interests.....	Developed.
Lockport.....	Now under lease and permit to water power users.....	Developed.
Lock 1, Champlain canal.....	Whole flow of river owned by State.....	None.
Northumberland.....	One-half flow of river owned by State.....	Partly developed.
Crocker's Reef.....	Whole flow owned by State.....	None.
Whitehall.....	Whole flow owned by State.....	Developed.

In the above table the water power available for development at the dam constructed in the Hudson river at Troy has not been included. This structure, with the lock adjacent thereto, was built by the United States government and legislation is now pending in Federal Congress under which it is claimed action may be taken toward the development of the water power. I have no information as to whether with the passage of such a law the Federal authorities propose to lease or otherwise dispose of the surplus water, but if such is the case, it would seem to me that considerable doubt exists as to the government's authority to take such action.

As I understand it, the basis upon which the National government enters upon a waterway within the boundaries of a State, for the purpose of constructing work therein, is the improvement of navigable conditions, and for no other purpose. Since the United States has jurisdiction over streams such as the Hudson river, the right on its part to build a dam which will improve the use of the waterway for navigation purposes cannot be questioned, but the right to use such dam when built, for the development or sale of water power is, in my opinion, open to serious doubt. I believe it is conceded that the waters of a river are under the jurisdiction of the State within whose borders it flows, excepting as to the matter of navigation and that necessarily the authority of the Federal government over such river is limited to the performance of such acts as will be in the interests of navigation. Having performed work to that end, and having adopted and enforced regulations governing the passage of water over the dam, its authority comes to an end. Viewing the situation from the standpoint of a layman, it seems to me that the right to sell the use of waters which exist over and above that needed for navigation belongs to the State. So far as I am aware, the Federal statutes contain nothing contrary to this principle and on the other hand seem to recognize the rights of the various States in rivers within their borders. I realize that as between private individuals it would be assumed that the agency which builds the dam would have the right to the water power created by it; but as between the Federal and State governments, no such right would automatically follow but rather would be dependent upon specific statutes.

Previous to the construction of the Federal dam, a structure owned by the State was in place and served the same purpose. This was destroyed to make way for the new dam. At the old dam the State owned and leased the water power and no action has been taken by the Canal Board to divest the State of that right, and, in fact, I doubt if it would have had the authority to do so. I realize that the Federal government, having built the present dam, possesses the right to dictate the manner in which any power house or other structure may be connected with it, but the State, having jurisdiction over the bed of the river on which the dam stands and having control of the water for all purposes other than navigation, would seem to be in control of the matter of granting the right to make use of the surplus waters.

The measure now pending before the Federal Congress is general in form, and nothing appears to be contained in it contrary to the principle of State ownership of the water power. Section 4 of the bill provides that when application is made for a preliminary permit to use the water, notice shall be given in writing to any State or municipality likely to be interested in or affected by such application; and in section 9 the applicant for a license is required to submit to the Commission

“(b) satisfactory evidence that the applicant has complied with the requirements of the laws of the State or States within which the proposed project is to be located with respect to bed and banks and to the appropriation, diversion and use of water for power purposes and with respect to the right to engage in a business of developing, transmitting and distributing power and in any other business necessary to affect the purposes of a license under this act.”

Further, section 27 states:

“that nothing herein contained shall be construed as affecting or intending to affect or in any way to interfere with the laws of the respective States relating to the control, appropriation, use or distribution of water used in irrigation or for municipal or other purposes or in vested right acquired therein.”

The provisions of this bill and the likelihood of its being enacted into law emphasizes the necessity for the passage of legislation

in this State which will lay down a specific method for the disposal of surplus waters. The enactment of such a law is important not only that the State's interests at the Troy dam may be safeguarded but also that the use and disposal of water power at other localities where it may be available may be placed on a definite basis and a proper revenue received therefrom.

It is my earnest recommendation that this whole subject receive your careful consideration.

OLD CANAL THROUGH CITY OF UTICA

On May 21, 1919, the State Engineer and Surveyor and myself presented to the Canal Board a certificate that in our opinion that portion of the unimproved Erie canal situated in the city of Utica and located between the westerly line of Schuyler street and the easterly line of Third street was no longer necessary or useful as part of the Barge Canal system as an aid to navigation or for public terminal purposes. This recommendation was based on the amendment to section 8 of Article 7 of the State Constitution, adopted in 1917, which removed that portion of the existing Erie canal from the prohibition against sale or other disposition.

A public hearing on the question of abandonment was held on July 16, 1919, and was attended by officials of the city of Utica, representatives of commercial associations and many citizens. While the hearing itself had been called only for the purpose of considering the question of the abandonment of the canal between Schuyler and Third streets in the city of Utica, some of those present urged also the abandonment of the whole section of the canal between Rome and Mohawk. Following the hearing, the matter of the abandonment was referred to a special committee of the Board.

After a study of the questions involved, it was the opinion of the Attorney-General that the Canal Board had no legal authority to abandon for canal and terminal purposes the whole thirty-mile stretch between Rome and Mohawk, inasmuch as the provisions of Chapter 746 of the Laws of 1911, which had been approved by the people at a general election, provided that "the present Erie canal between Rome and Mohawk shall be retained * * * for terminal purposes;" and that the adoption of the

constitutional amendment authorizing the abandonment or legislation providing for the abandonment of the canal between Schuyler and Third streets negatives the right to abandon the remainder of that portion of the existing canal.

Relative to the canal section between Schuyler and Third streets, which was specifically referred to in the constitutional amendment, it appears that such amendment merely gave the right to the Legislature to amend or repeal that section of the Terminal Act which provided for the retention of the canal. No action was therefore taken by the Canal Board in the way of abandonment, and it seems to be without power to do so until legislation shall be had amending Chapter 746 of the Laws of 1911.

In view of the fact that the portion of the existing Erie canal in the city of Utica between Schuyler and Third streets is no longer useful for navigation or terminal purposes in connection with the improved canal system, I recommend to your honorable body that this matter receive your serious consideration to the end that section 4 of the Terminal Act may be amended in such manner as to confer on the Canal Board authority to take the necessary abandonment action.

BUREAU OF APPRAISALS AND CLAIMS

During the past year 399 claims were filed against the State on account of the canals, with a total of \$2,451,052.99. Of these claims 291, aggregating \$1,729,524.56, were on account of the Barge Canal improvement work; 8, amounting to \$472,362.31, arose from the construction of terminals; and 100, with a total of \$249,166.12, were based on matters connected with the maintenance and operation of the old canal system.

In addition to these, four claims, amounting to \$2,212,510.75, were brought against the State on account of the appropriation of land at Rockaway Point in connection with the United States Coast Defense plans, pursuant to chapters 13 and 130 of the Laws of 1917, thus bringing the total of new claims before the Bureau up to 403.

As to the claims arising from the improvement work, the largest total grows out of the appropriation of lands and bridges with alleged consequential damages. These were 14 in number and

aggregated in amount \$756,482.11. Twelve of this class of claims, with a total of \$363,366, were based on damages alleged to have been caused by overflow of the Oswego river at the upper Fulton dam.

There were 140 claims, amounting to \$207,584.24 filed by persons who claimed damages from the flooding of their property by the Mohawk river, alleging the construction of the Vischer Ferry dam as the direct cause; and on the Seneca river the Phoenix dam is made responsible for eighteen claims, totaling \$22,791.66. The demands for compensation on account of leakage and other similar incidents are represented by 101 claims, demanding \$279,563.18.

The largest single claim filed during 1919 on account of the canal improvement was that of the New York Central Railroad Company, in amount \$465,174.08, and was in connection with the reconstruction of a bridge at the outlet of Cayuga lake.

During the year just passed, 570 claims, whose defense was prepared by this Bureau, were disposed of by the Court of Claims. These aggregated in amount \$11,061,225.98, and the total of the awards amounted only to \$650,275.11, or a percentage less than 6 per cent. Of this number 396 were on account of the construction or maintenance of the new canal system. In the case of 353 of these, aggregating \$3,495,385.15, the recoveries amounted to \$607,756.21, and in the remaining forty-three the court has not as yet made its decisions.

Trial was also had of the issues involved in nine terminal claims, and for the three claims which were finally disposed of the recoveries amounted to \$10,471.21 as compared with the sum of \$190,866 demanded.

Eighty-eight claims arising from the new canal, with a total of \$1,044,511.91, were dismissed with no awards to claimants whatever. In the case of 61 claims based on damages alleged to have been sustained from the operation of the old canal system, decision were reached by the court in the case of 48, and the awards amounted to \$32,047.69 as against a total of \$105,550.91 sought by the claimants. In addition to this, 16 of the old canal claims, with a total of \$34,896.15, were dismissed.

Among the larger claims which were disposed of during 1919, the following may be mentioned:

CLAIMANT	Nature of claim	Amount claimed	Amount awarded
Frederick A. Gage.....	Appropriation of land and damages....	\$203,034 35	\$650 00
Schenectady Ry. Co.....	Reconstruction of railroad bridge.....	49,029 86	48,536 29
Francis B. Mitchell.....	Appropriation of land.....	50,000 00	3,600 00
Francis B. Mitchell.....	Appropriation of land.....	50,000 00	9,900 00
Alto Construction Co. and another.....	Two claims for extra work.....	531,267 86	130,000 00
Orleans County Quarry Co.	22 claims for appropriation of quarry land.....	1,440,853 57	120,000 00
Mary Hanlon.....	Appropriation of quarry land.....	250,000 00	17,482 00
The Sherman-Stalter Co.....	Extra work.....	141,549 38	24,321 24
New York Central R. R. Co.	Appropriation of land for terminal purposes.....	57,253 00	7,000 00
Mann Brothers Co.....	Appropriation of land for terminal purposes.....	130,000 00	1,700 00

In addition to the work of preparing for the defense of the State against claims which must be tried before the court, the Bureau has under its charge the making of appraisals of lands appropriated for canal or terminal purposes. After such appraisals are in hand every effort is made to reach a settlement with the owner as to a fair amount of compensation to be paid him for the property taken, and thus secure to him a prompt payment by the State. In such cases, the agreements made total 123, aggregating \$524,996.62. These agreements cover 144 separate parcels of land on forty-six different contracts.

The above resume presents in a most general way the splendid work performed by this Bureau. To accomplish the results attained required an immense amount of labor on the part of the Bureau's officials. The small proportion which the awards secured bears to the amounts demanded testifies to the efficiency of the investigations and studies made. On the occurrence of any incident along the canal system which it was thought might give rise to a claim against the State, the agents of the Bureau were immediately upon the ground seeking full information concerning the happening. In addition to this, no claim was neglected. Evidence was prepared and placed at the disposal of the Attorney-General in the case of all pending actions, so that every claimant was assured of a prompt and speedy trial of the issues of his case.

Claims which had been long in the files of the Bureau were given attention, and every effort was made to reach a settlement

or to have the question in dispute disposed of. Especial consideration was given to those claims which bore interest charges against the State, and action was taken to clear them from the calendar.

The Bureau, as at present organized, has proved itself to be an efficient unit working to protect the interests of the State on the one hand, and on the other to assure to each citizen whose property may have been damaged by any canal operation a fair and reasonable compensation for his loss. The record made by the Bureau during 1919 has not been surpassed since its creation.

BUREAU OF NAVIGATION

The work performed by the inspectors of Navigation appointed pursuant to chapter 42 of the Laws of 1909, known as the Navigation Law, includes the following:

The total number of licenses issued by the inspectors was 295. These consist of 28 masters' licenses, 27 of which were renewals of former licenses; 30 licenses to pilots, 8 being of original issue and 22 being renewals; 67 engineers' licenses, of which 20 were original and 47 renewals; and 125 renewals of former licenses.

Boats inspected included 28 steamers and 166 motor boats and the amount of money collected for inspections, licenses and fines imposed was \$2,300.50. All of the craft coming within the provisions of the statute and especially those used on State waters for the carrying of passengers for hire, were carefully inspected, and in several cases certificates were withheld until needed repairs were made or necessary equipment supplied.

The rules and regulations governing navigation were rigidly enforced and in two cases penalties were imposed on persons operating vessels for the carrying of passengers for hire which failed to have the equipment required by the statute. In the case of three passenger-carrying motor boats, licenses to operate were withheld on account of the failure of the owners to comply with the legal requirements.

The accidents occurring to vessels coming under the Bureau's jurisdiction included the burning of a motor boat on Canada lake and the destruction also by fire of several smaller craft at Lake Placid.

For the first time in some half dozen years, a fatal accident on the inland waters of the State over which the inspectors have jurisdiction was reported. This occurred in October on Racquette lake and was due to a collision between a small steamer and a private motor boat, resulting in the death of the captain of the motor boat.

Attached to this report will be found a statement in detail showing the amount and nature of the fees collected by the inspectors.

FEDERAL JURISDICTION OVER NAVIGATION OF STATE CANALS.

During the year just passed, indications were present that the National government was preparing to assert jurisdiction over matters relating to navigation of the canal system of this State, by requiring that steam or motor vessels engaged in carrying of passengers or freight for hire, or otherwise, shall be inspected and licensed by the Department of Commerce; and providing that no such boat shall be propelled or navigated except in charge of a person duly licensed by the United States inspectors.

Steps to accomplish this end already have been taken. In the summer of 1917, officials acting under the direction of a United States collector of customs imposed penalties on certain persons plying the canal waters on the ground that the equipment of their craft was not in accordance with the Federal navigation rules. The department has been advised of the making of plans to extend the United States Steamboat Inspection Service over waters of the improved canal system during the coming year.

As I understand it, the Secretary of Commerce for his authority relies on certain United States Revised Statutes which make provision for the construction, equipment, inspection and licensing of steam vessels using "the navigable waters of the United States." Since the State canals constitute by themselves and by uniting with other waters a continuing highway over which commerce may be carried on with other States or foreign countries, the United States Court has declared that they come within this classification. Practically the only waterways excepted are the small inland lakes having no connection with the canals and used mainly for pleasure resort purposes. All steam or motor vessels plying the canals are subjected to the ruling whether or not they

are engaged in interstate traffic and whether or not they may be carrying passengers or freight for hire.

The assertion of Federal authority will result in an unfortunate situation. Not only will it be likely to interfere seriously with the plans of the State for the development of canal commerce, but it must create confusion in the minds of prospective users of the canals who have relied on the State's control of them. Should such conditions prevail, it would be in direct opposition to the theory of the canal construction and improvement and is in fact contrary to the basic law and statutes of this State.

Section 3 of Article 5 of the State Constitution, after providing for the appointment of a Superintendent of Public Works, says:

"He shall be charged with the execution of all laws relating to the repair and *navigation of the canals*, and also of those relating to the construction and improvement of the canals except so far as the execution of laws relating to such construction or improvement shall be confided to the State Engineer and Surveyor; subject to the control of the Legislature, *he shall make rules and regulations for the navigation or use of the canals.* * * *"

Section 8 of Article 7 of the Constitution says, among other things:

"* * * but they (the State canals) shall remain the property of the State and *under its management forever.* * * *"

Supplementing these constitutional provisions, Chapter 13 of the Laws of 1909, known as the Canal Law, in specifying under section 33 thereof the general powers and duties of the Superintendent of Public Works, provides that he shall:

* * * "have the general care and superintendence of the canals: * * *

* * * *make all necessary rules and regulations for the safe and speedy navigation*, protection and maintenance of the canals and the structures thereof, for the government of all employees under his control engaged in their construction, improvement, repair and navigation, and for

the payment for tools, material and labor; impose such forfeitures of money not exceeding the sum of \$25.00 for each offense as he deems reasonable, and for the breach of such rules and regulations, prosecute therefor in the name of the State and pay over all money received on prosecution into the State treasury. * * *

For the regulation of vessels, Chapter 42 of the Laws of 1909, known as the Navigation Law, has been enacted. The provisions of this act are administered by the Superintendent of Public Works who has authority to appoint, and does employ two inspectors of steam vessels whose duties are to inspect from time to time every vessel engaged in carrying passengers or freight for hire or towing for hire on the inland waters of the State. Complete rules and regulations for the management, operation and equipment of vessels and for the safety of traffic, substantially similar to those adopted by the National government, are contained in the law, and these are rigidly enforced by the department.

The plain intent of the Constitution and laws of this State was to place in the Superintendent of Public Works full authority over the canals, and that the rules and regulations he shall make for their navigation should be "subject only to the control of the Legislature."

By the assertion of jurisdiction by the Department of Commerce, the powers of the Superintendent of Public Works, given him by the basic law of this State, are nullified and his ability to perform the duties assigned to him impaired. The rights of the State itself in its own waterways will be seriously affected. The Erie, Oswego, Champlain and Cayuga and Seneca canals become merely "navigable waters of the United States."

It is reasonable to expect that the exercise of the Federal jurisdiction will be followed by the application of such authority on the part of the United States officials as will rob the State of its control of the canals, notwithstanding the Constitutional provision that they are to "remain under its management forever." When once the right of the National government to regulate and control canal navigation is admitted or acquiesced in by the State,

it follows as a logical consequence that many acts of the Superintendent of Public Works, looking to the maintenance or improvement of the waterways and the building or alteration of structures thereon, will require the approval of the Federal authorities. This conclusion is by no means impossible. The authority to control and regulate navigation in any waterway necessarily carries with it power to approve or disapprove construction or repair work in the navigable channel and the manner in which it is to be progressed. The right of the United States engineers to pass upon the department's plans for work could not be denied. Dictation as to the operation of locks and movable bridges might even be forthcoming from Washington. The State would be finally left only with the privilege of paying the bills.

I submit that such a situation would be an invasion of State's rights. It is repugnant to every theory which has actuated the citizens of this State in expending enormous sums on their canals. Had it not been for their foresight and energy, the canal system would not be in existence. Not only was the original waterway constructed without the slightest financial aid from the Federal government but its improvement and enlargement has been accomplished in the same manner. Without large annual appropriations from New York's treasury for maintenance and repair, the water route would be incapable of use. Aside from the standpoint of fairness and justice to a State which single-handed and at immense expense brought into existence a water transportation instrumentality second to none in the world, it is most essential in the interests of the development of New York's commerce that all matters connected with the navigation of the canals shall remain under the control of the State.

I am aware that an Act of Congress overrides a State law dealing with the same subject matter. The State must comply so long as it remains in effect. Congress, however, has no power to enact legislation on subjects other than those specifically named in the United States Constitution. I, therefore, assume that the passage of the statutes referred to is based on Section 8 of Article 1, which confers on Congress the power:

“to regulate commerce with foreign nations and among the several states, and with the Indian tribes.”

I contend that in the regulation of commerce with foreign nations and among the several states, widely different activities were had in mind than the assumption of jurisdiction over the physical manner in which vessels should be operated on an artificial waterway wholly constructed by a single state and located within the borders. By the term "artificial waterway," I refer not only to stretches of the canal constructed through land sections, but also to the canalized lakes and rivers whose shallow and restricted waters were made suitable for commerce only by the expenditure of large sums of money by the people of New York State. The enactment of laws covering waterways such as these is outside the field of Federal endeavors.

I, therefore, present this whole matter to your honorable body for your earnest consideration. I recommend that every means at the command of the State and of the State's representatives in Congress be exerted to the end that the statutes in question shall be amended so as to except the New York State canals from their provisions.

MONEYS COLLECTED

The total amount collected by the department during the twelve months ended November 30, 1919, was \$95,951.00. This sum was made up of the following items:

Fees for the use of certificates and licenses and for inspection of vessels under State Navigation Law.	\$2,300 50
From the use of Barge Canal terminals	9,293 09
For use of Hudson bridge by railway companies (4 months)	8,366 46
Proceeds of sale of old and discarded materials, in connection with unimproved canals	6,349 96
Proceeds from reconveyance of appropriated lands found no longer necessary, and from sale of sand and gravel and permits covering use of Barge Canal lands	25,303 60
Fees for filing chattel mortgages, etc., on vessels...	19 06
For towing service rendered on canals	44,318 83

ADDITIONAL DUTIES OF SUPERINTENDENT OF PUBLIC WORKS

The activities of the Superintendent of Public Works have been by no means confined to the maintenance and operation of the canal system; the fostering of canal commerce and the protection of its interests; the progress of construction work committed to his charge by legislative acts; the administration of the State Navigation Law; and other matters which have been discussed in this report. In addition he has been given membership in various special commissions, the work of which has claimed much attention on his part. While the details as to the progress made will be submitted to you in special reports, I give below a list of such additional activities:

Member of the Commission created by Chapter 142, Laws of 1917, to investigate methods of purchasing materials and supplies by State departments, offices and institutions.

Member of Board of Conference created by Chapter 585, Laws of 1919, in relation to the proposed construction of a waterway between Gravesend bay and Jamaica bay.

Member of Board of Conference created by Chapter 586, Laws of 1919, in relation to the proposed improvement of Harlem river by straightening the channel at Johnston's Iron Works, removing or altering High bridge, and widening or deepening of the Harlem or Bronx kills.

Member of Interstate Bridge Commission, created by Chapter 506, Laws of 1916, to make an investigation as to the acquisition by the State of toll bridges over the Delaware river between the States of New York and Pennsylvania.

Member of Board created by Chapter 317, Laws of 1917, as amended by Chapter 122, Laws of 1918, and Chapter 15, Laws of 1919, for the purpose of making studies relative to the project of constructing a canal on the south side of Long Island from Jamaica bay to Peconic bay.

CONCLUSION

While the foregoing report has endeavored to deal with all matters coming under the jurisdiction of the Superintendent of Public Works during the twelve months ended December 31, 1919,

the present incumbent has served in such capacity for eight months only of that period. Upon the retirement from office of Major-General W. W. Wotherspoon on February 2d, Hon. Lewis Nixon assumed the duties of the office and administered its affairs until May 3d, when, on his resignation for the purpose of accepting other duties and responsibilities conferred on him by the Governor, the undersigned entered into the office of Superintendent of Public Works.

The statements annexed to this report will show in detail the expenditures made for the full calendar year, with an account of the bids received for the various contracts advertised and of the payments made to contractors. There are also attached reports of the Assistant Superintendents and Superintendents of Repairs describing in considerable detail the repair and construction work performed by them. A statement in detail of the moneys collected by the department from all sources and deposited in the State Treasury, as required by law, also is submitted.

In closing this report I desire to express thus publicly my appreciation of the efficient services rendered me by the officials and employees of the Department. I also desire to express appreciation of the co-operation extended by the departments of the State Engineer and Surveyor, the Attorney-General, and the Comptroller and others who have had a part in the work which the Department has had to do.

Respectfully submitted,

EDWARD S. WALSH,
Superintendent of Public Works.

APPENDIX A

STATEMENT OF EDWARD S. WALSH, SUPERINTENDENT OF PUBLIC WORKS, STATE OF NEW YORK.

OPPOSING H. R. BILL 4378, S. 1256.

I am the Superintendent of Public Works of the State of New York, having supervision of the maintenance and operation of the improved waterway system of the State of New York.

As the official representative of the government of the State of New York, I oppose H. R. bill 4378, S. 1256, protesting against its enactment in its present form and urging that the measure be so amended as to exclude from its provisions any and all regulation, control, or supervision by the Interstate Commerce Commission of rates or practices applicable to the movement of traffic on the New York State Barge canal.

The government of the State of New York is opposed to this bill because the proposed amendment to subdivision "A" of section 1 of the Act to Regulate Commerce gives the Interstate Commerce Commission power and authority to:

- First.* Regulate port-to-port canal rates.
- Second.* Compel canal carriers to publish and file their rates.
- Third.* Prescribe minimum canal rates.
- Fourth.* Prescribe intrastate canal rates.
- Fifth.* Prescribe the manner and form in which canal carriers shall preserve records of revenues and tonnage.

Three years ago, when fathering legislation amendatory to the Public Service Commissions Law of the State, the canal interests of the State decided, after exhaustive study and debate, that regulation of port-to-port canal rates would be unwise and inimical to the development of commerce and carriers on the State waterway system. We saw no necessity then, and we see none now, of departing from the long established policy as to water rates and carriers, and I know of no reason why port-to-port

rates, interstate or intrastate, should be subject to regulation by the Interstate Commerce Commission, or any other body. There have been no abuses to my knowledge practiced by water carriers that would create a condition similar to that compelling the regulation of rail carriers and rail rates. From my extensive experience in water transportation, I know that all water carriers need is to be let alone and to be free to compete for business on a fair, unrestricted and unrestrained basis. I believe that only by this means can transportation on our inland waterways be placed on a permanent, substantial basis.

I can see but one result of the regulation of water rates by the Interstate Commerce Commission. It would be the aim of the commission to establish a fixed relation between the rail and the water rates. Such a relationship would create an artificial basis of competition and in all probability would have the effect of establishing higher water rates than would be the case if water carriers were free to make such rates as they saw fit. As far as the New York State canals are concerned, we admit of no relation between our rates and the rail rates, except that the rail basis is our maximum. We insist it is the right of carriers on the New York State canals to make rates to meet conditions, competitive or commercial, obtaining when cargo is offered and not be bound by regulations that forbid the increasing or decreasing of a rate on less than statutory notice. When you place water rates subject to the jurisdiction of a commission created to deal with rail transportation problems, you bring water rates into too intimate a relation with rail conditions. Railroad ideas and railroad theories would predominate and this railroad atmosphere would have a controlling influence over our water rates. Such control, I believe, would be just as effective in destroying commerce on the waterways as were the practices employed by the rail lines in competition with water routes in years past.

In brief, we fear that the Interstate Commerce Commission, in establishing water rates, would establish them with reference to the rail rate rather than with consideration to what the water carrier could afford to accept. Your railroads would consequently control our rates and waterway advocates know the danger of railroad control, direct or indirect, of inland water transportation.

If the words "or by water" are stricken from the proposed amendment to subdivision "A" of section 1 of the act, or if the bill is amended so as to exclude the New York State canals from its provisions, all objection to the measure, as far as the New York canal interests are concerned, is removed. Permit these words to remain in the bill, or fail to exclude the New York canals from its provisions, and it would have been better for the people of the State of New York if the tremendous sum they put into their canal system had been expended for some other purpose. Needless to say, had the citizens of New York State known when authorizing the construction of the Barge canal that the day would come when the control of their waterways would be taken from them by an act of Congress, and without reparation, the waterway would never have been built.

New York constructed its splendid canal system in order to give its commercial and manufacturing interests cheap and adequate transportation and to perpetuate the commercial supremacy of the State and City. The enactment of this bill in its present form will not only defeat the fundamental purpose of the Barge canal, but render it practically valueless to New York State shippers. My initial protest against this bill, submitted to your chairman by the Governor of the State of New York, was referred by your chairman to the Honorable Edgar E. Clarke, member of the Interstate Commerce Commission. In the Commissioner's reply to your chairman, he states:

"Under the bill the Commission would have no authority over port-to-port rates on the Erie Canal except as they were available for application in interstate shipments, and the same is true as to prescribing minimum rates, the filing of rates with us and forms of accounts. We would have jurisdiction to establish intrastate rates only under a finding that the State rates unduly preferred State traffic, or unduly prejudiced interstate traffic or shippers, or caused an undue burden upon interstate commerce. If the Canal Company should maintain State rates and at the same time participated in interstate rates it might be subject to a charge of undue preference or prejudice."

The opinion of Commissioner Clarke is, in my judgment, conclusive evidence that this bill will be ruinous to the New York State canals. Up to the first of the current month the State waterways have carried over 650,000 tons of freight. Forty per cent. of this volume was classified as "through traffic" and practically all through traffic is interstate. As commerce develops, this percentage will increase, so it may be said at least 50 per cent. of the commerce on the New York canals will be interstate. Such estimate measures the extent to which the provisions of this bill, if enacted, will apply to the New York canals.

If we are to accept the opinion of the Commissioner as indicative of the position the Commission will assume, if this bill is passed and when matters involving an interstate rate and an intrastate canal rate are at issue, it is to say that the Interstate Commerce Commission will deny New York State shippers the advantages of the cheap transportation route they built at a cost of more than \$150,000,000.

Is it strange or unnatural that the government of the State of New York is opposed to this bill?

We freely admit that an intrastate canal rate will prefer State traffic and New York State shippers. That is the purpose for which the waterway was built. That is what we intend the canal shall do and what the people of the State of New York demand that their waterway shall be permitted to do. It is unthinkable that when the people of a State have obligated themselves and their children and their children's children to pay for a project that had but one purpose, a decision of the Interstate Commerce Commission could subordinate that purpose to the selfish interest of some meddler outside New York State who, perhaps, has never contributed a penny to the development of inland waterways, but who for years has reaped benefits from the operation of New York's canal system by virtue of the controlling influence that system has had over the rail rate structure in the entire territory east of the Mississippi and north of the Ohio river.

The history of the old Erie canal is well known to most men. What the old canal did for New York, both State and City, we expect the new waterway will do in even greater measure. Even

now some of the largest corporations in the country are seeking locations or have acquired sites for industrial purposes along the line of the Barge canal. These concerns come to New York State because they want cheap and efficient transportation to and from tidewater. Do you think they will carry out their plans if rates on the New York canals are to be regulated by the Interstate Commerce Commission, or any other agency except economic conditions? We know they will not.

Not alone is New York State concerned with this bill. The entire Atlantic seaboard should be alarmed at its far-reaching effect. One of the heaviest items of tonnage carried on the New Yorks canals is ex-lake export grain received at Buffalo. Norfolk, Baltimore, Philadelphia, New York and Boston are vitally interested in this commerce. Grain moves on the New York canals on an intrastate port-to-port rate. It is, however, interstate business. The provisions of this bill, therefore, apply to its movement.

Canada is now improving its Welland canal. The Dominion, furthermore, wants to see their St. Lawrence canals deepened and enlarged so as to accommodate the largest lake vessel. In this movement they seem to have the support of many Middle and Northwestern States. Whether the project will be undertaken is problematical, but the fact remains that even without these improvements the competition of the Port of Montreal with American ports is growing stronger each year. Place your carriers plying the all-water route from the head of the Great Lakes to seaboard, via the New York canals, subject to regulation so that their rates are rigid and inflexible and what will be the result? The Canadian lines to Montreal will be unregulated and uncontrolled. Grain will follow a route offering the smallest fraction of a cent per bushel saving, and there can be no doubt but that the Canadian carriers, being free to make any rate sufficient to attract the business, will offer this saving. Where goes your export cargo, so come your imports. If you want to see the elevators at Buffalo fall into disuse and if it is your desire to divert our export and import commerce to the Port of Montreal, the surest and easiest way to such a result is to enact legislation that will prohibit our inland water carriers from meeting the

unregulated and uncontrolled Canadian water route competition. To show that New York is not alone in its belief this will be the result of such legislation, I quote from a communication addressed your chairman by the Traffic Commissioner of the Merchants' Exchange of St. Louis, wherein, in speaking of the Mississippi river situation, Commissioner Rippen states:

"If it (a barge) should come here sometime and find that a situation has developed at Montreal, whereby the British are knocking down the rates to control the grain or other traffic for their boats, it would be necessary for the boats from St. Louis to New Orleans to be able to adjust themselves promptly to meet that development and not wait for the Interstate Commerce Commission in Washington to go through all the motions necessary to reach a conclusion."

An identical condition will obtain with the lake carriers to Buffalo and the canal lines from Buffalo if this bill is passed. Our water lines must not be restrained in their rate-making powers if they are to successfully meet Canadian competition. New York is planning to erect large modern canal terminal elevators at lake ports, such as Oswego and Buffalo, and at New York City. We believe these will be of great aid in attracting the grain traffic to the canal. However, you may be assured New York will spend no more money on its canal system if its freedom of operation is curtailed in any way by Federal legislation.

Aside from the objection to the regulation of rates, I believe the compelling of canal carriers to publish and file their rates would be burdensome to the existing carriers and they would be unable to stand the expense of this and the accounting systems that might be prescribed by the commission. There are but two organized lines engaged in the canal transportation business today. We do not take into consideration the service operated by the United States Railroad Administration, believing it to be of a temporary nature.

While we expect large interests will enter the field in the future, at present the bulk of traffic is carried by individuals, men owning and operating two or three boats. These men maintain no traffic

or accounting organizations and obtain their cargo through forwarding agents. They cannot, therefore, comply with the law as to publishing rates, etc., and if forced to do so by this bill they would withdraw from the canal trade. Thus the waterway would be deprived of urgently needed equipment and much harm would be done shippers.

The provision of the bill that gives the commission power to prescribe minimum rates is likewise extremely prejudicial to the New York canals. Sufficient experience has not yet been had in the operation of barges on the new canal to enable any authority to determine what might be a fair minimum rate. Such minima as might be prescribed, therefore, would, in all probability, be made with relation to the rail minima. We are opposed to this method of canal rate construction and insist on the right to make such rates as will attract the business. To arbitrarily prescribe a rate now below which canal carriers would be forbidden to carry freight would be most unjust. A carrier may contract for the movement of a quantity of traffic to a certain port. The rate is sufficiently remunerative to permit of the boats returning light to point of origin if needs be. Under such conditions an abnormally low rate may be offered for a return cargo. Any revenue derived from the return movement would be profitable despite the fact such revenue might be less than the out-of-pocket operating cost. It should be apparent that a fixed minimum canal rate would be impracticable.

Your committee should bear foremost in your minds in giving consideration to the application of the provisions of this bill to traffic carried on the canals of New York State that the Barge Canal System was constructed by the people of the State of New York, and not a dollar financial assistance was received from the Federal government. The system, therefore, while offered for use to the shippers of the Nation without toll, is not a Federal project, but a private State undertaking maintained and operated by the State at great cost. The New York canals differ, therefore, from other navigable inland waterways in the country, where the development and improvement has been under Federal auspices and conducted with Federal funds. It may be there are interests elsewhere who believe legislation of the character

proposed by this bill would be helpful to inland waterways with which such interests are concerned. I do not wish to obstruct legislation that may be desired by such interests and believe Federal legislation should apply to federally-developed and operated waterways. I contend that you have no more right to enact legislation affecting the waterways of the State of New York than you have to legislate for the New York State highways. I urge you not to force upon the people of the State of New York regulatory statutes that will militate against the successful development of commerce on their canals and that will defeat the fundamental purpose of the waterways they built at such great cost.

We have had experience with government control and operation of our canals. Last year, as a war measure, the State offered its canal system to the government. Despite the urgent need, then existing of utilizing every available means of transportation to the maximum, the canals of New York carried the smallest volume of tonnage in their history; canal service was the poorest shippers ever experienced and rates were placed on a parity with the rail rates. New York wants no more of this. As to its canal system, it demands of the Federal government a "hands off" policy.

In conclusion, I suggest it is not additional legislation we need to restore commerce to our waterways. Instead of conferring additional powers on an already overburdened Interstate Commerce Commission, let the commission compel rail carriers to recognize and put into effect the provisions of the Panama Canal Amendment. Compel the interchange of traffic between rail and water carriers on as favorable a basis as rail lines interchange with each other, and prohibit railroad ownership, operation, or control, direct or indirect, of water carriers, thus eliminating the destructive competitive practices that have enabled the railroads to drive boats from our inland waterways, and you will find our waterways functioning to an extent that will prevent, in a great measure, repetitions of the intolerable transportation conditions the shippers of the country have been subjected to these past three years.

Dated at Albany, N. Y., September 15, 1919.

APPENDIX B

ADDRESS OF EDWARD S. WALSH

Superintendent of Public Works, State of New York

Before the

National Rivers and Harbors Congress Convention

WASHINGTON, DECEMBER 10, 1919

New York opposes the appropriation of funds from the Treasury of the United States towards the construction of a ship canal through the St. Lawrence river on the grounds that:

First.— That such a waterway would be an economic failure and a waste of public moneys, and

Second.— That such a project was conceived for the purpose of enabling Canadian interests to control the export grain commerce of the Great Lakes and to destroy the influence and usefulness of the New York State Barge Canal.

New York's opposition in the first premise has been forcefully argued by my predecessor in office and Legislative Document No. 46, in the Senate of the State of New York, is the public record of that feature. I, therefore, will not touch upon it.

As to the fundamental purpose, the underlying motive, of the proposition that the Government of the United States join with the Government of the Dominion of Canada in the improvement of the St. Lawrence river, I propose to show that there is but one aim and purpose in the scheme, that is, the diversion of the grain commerce of the Great Lakes to Canadian ports.

The exportation of the bulk of the annual Canadian grain crop through American ports is a matter of grave concern to Canadian interests. The report of the Department of Railways and Canals of Canada for 1916 shows that of 182 million bushels of Canadian wheat shipped by lake from the Ports of Fort William and Port Arthur during that year, only a million and a quarter bushels went to Montreal while over 106 million bushels went to Buffalo.

The annual report of the Harbour Commissioners of Montreal for 1917 contains this statement:

“A powerful American company has organized plans for placing one hundred large steel barges in operation on the new Canal between Buffalo and New York, with a view to handling 75,000,000 bushels of grain per annum, and will be another factor in the further diverting of Canadian grain through the United States.”

For a great many years, Canada has striven unceasingly to devise some plan that would control the grain situation. Splendid modern elevators were erected at Montreal in the hope that such facilities would attract the business.

An improvement of the Welland Canal permitting the passage of deep draft lake vessels into Lake Ontario was undertaken in the hope that the big ships would sail past Buffalo and down to Prescott only 119 miles from Montreal.

A ship canal from Georgian Bay to Montreal was projected with a view of appreciably shortening the route from the head of the lakes to seaboard and diverting the ships from Lake Erie.

A railroad from the Canadian grain fields to Port Nelson on Hudson Bay was undertaken and this was of such importance that during the war, while Canada was tearing up tracks elsewhere throughout the Dominion and shipping them to Europe, new rails were being laid north to Hudson Bay and over a million dollars was spent on the work.

During all of the time, Canadian interests were devising ways and means to control and divert the Lake grain commerce, the State of New York was working on a project that Canada well knew would be the controlling factor in the grain traffic. For fifteen years, New York State had been engaged in the reconstruction of its canal system. During this reconstruction period commerce on the New York canals, particularly the grain commerce, had greatly declined. Canada had benefited by this condition. It is peculiarly significant that the greatest increase in grain exports through Montreal was had while the New York Canal route was practically out of commission.

The Canadian interests realized the hopelessness of their ambition to control the grain commerce as long as the New York Canal route offered a medium of transportation between the Great Lakes and the seaboard. No existing route can compete with the New York Barge Canal. Confronted with this fact, Canada considered how this competitive route could be removed from the field.

The splendid elevators at Montreal had failed to solve the question.

The Welland improvement will act as sort of a boomerang to Canada because when large lake vessels pass into Lake Ontario there New York has the port of Oswego and grain can be transported through Oswego and the Barge Canal to seaboard cheaper than through Buffalo. The Welland improvement, furthermore, had given the question of the improvement of Oswego Harbor needed encouragement and the State will build grain elevators at that port to accommodate the expected traffic.

The Georgian Bay scheme was too big for Canada to undertake and the Hudson Bay railroad has yet to prove its worth.

Something had to be done, however, and as a last resort the St. Lawrence ship canal scheme was conceived. It was absurd to believe that the Atlantic seaboard would consider a proposal that meant the diversion of commerce from Boston, from New York, from Philadelphia and Baltimore and Norfolk. But there might be those in our upper Great Lakes territory who would be interested. So these Canadian interests went to commercial interests in our Northwest. They painted glowing pictures of seaports at Chicago, at Milwaukee, at Duluth, and other places where once only lake ports had been. They convinced those good people in Illinois, in Wisconsin, in Minnesota and elsewhere that the World's markets were theirs if they would join in the scheme to canalize the St. Lawrence so that ocean vessels might pass into Lake Ontario.

Those good people in the Northwest were not told, they did not understand, that the sole purpose of the scheme was to provide a means whereby Montreal could compete for the grain traffic with American ports. The people in Illinois, in Wisconsin, and in Minnesota were not told that few, if any, ocean vessels would ever ply the waters of Huron, Michigan or Superior. Our

neighbor on the north cherishes no idle dreams of seaports on the Great Lakes. What it does want, however, and hopes to obtain with the aid of the Government of the United States is a combined lake and seaport on the St. Lawrence. They hope to see the big grain carriers on the lakes sail by Buffalo and bring their cargoes to Montreal. In this manner they hope to counteract the usefulness and destroy the competitive influence of the New York State Barge Canal. Only by this means can they control the grain trade.

Gentlemen, the Dominion of Canada has an investment in the Port of Montreal that is trivial compared with the \$300,000,000 New York has first and last put into its waterways. Yet Canada foresees the time when this investment will be jeopardized, for the development of commerce on the New York State Barge Canal will inevitably endanger Canadian enterprise. Naturally, Canada is anxious to protect its institutions. But what about New York? Is it not justified in demanding that its institutions be protected? Twenty years ago New York faced the same condition now confronting Canada. It realized the growing importance of Canadian competition but it asked neither the aid of neighboring states, neighboring governments, nor even the parent Government. Bravely New York, unaided, set out to provide for itself a waterway that would protect its commerce, and in a great measure, that of the Nation.

Having undertaken and completed the stupendous project, it now finds its waterway system placed in jeopardy by a scheme originating with those who have every reason to fear the effects of its operation and who have exhausted every means to control the grain commerce flowing down the Great Lakes.

New York, therefore, resists to the limit of its power and resource any attempt on the part of misguided interests in the country to take funds from the Treasury of the United States for the construction of a water route competitive with its Barge Canal, unless such route be a purely domestic one. More strenuously does New York oppose and resist any proposal to use the moneys of the United States for the construction of a waterway the sole aim and purpose of which is to nullify and render ineffective as a competitive factor in the grain commerce, the waterway

the people of the State of New York have constructed at such great sacrifice and placed at the disposal of the entire nation, without toll or restriction.

If the operation of the New York Canals endangers Canada's grain commerce, let Canada take such protective measures as may be necessary. If the commerce of the Port of Montreal is menaced by the operation of the improved waterways of New York, let Montreal protect itself. Do not, however, suggest that the Canadian grain interests and the commerce of the Port of Montreal be fostered by the appropriations of moneys by this Government, much of which would be contributed by taxation by the citizens of New York State who, themselves, have built a canal primarily designed to carry to seaboard the bulk of the grain coming down the Great Lakes.

Some may accuse New York of a selfish interest. If the preservation of a waterway that did more than any other single factor to build up the territory east of the Mississippi river is a selfish purpose, New York admits the indictment.

If safeguarding a transportation route, whose existence and operation for nearly a hundred years has done more to control rail rates in the territory north of the Ohio and east of the Mississippi than any other known influence, thus saving shippers in that territory a greater amount in transportation than they would ever realize by the construction of a ship canal through the St. Lawrence, is a selfish motive, then New York is selfish.

But if New York is selfish, Ohio and Indiana and Michigan and Illinois and Wisconsin and Minnesota are ungrateful. For generations they have enjoyed the benefits of the maintenance and operation by New York State of a water route between the Great Lakes and the Atlantic seaboard. Much that they ate and wore and manufactured was afforded cheap transportation from the East and the products of their farms, their forests, their mines, and their mills were given cheap transportation to tidewater. Now at a time when New York needs their support and co-operation in the restoration of commerce to this water route, they lend their support, financially and otherwise, to a project designed to destroy that which New York has created and from which they have received incalculable benefit.

Before this National Rivers and Harbors Congress reaches a decision as to the wisdom or necessity of the improvement of the St. Lawrence river by the aid of the United States Government, I trust all parties will be heard. What has New England had to say as to the scheme? Does Philadelphia, or Baltimore, or Norfolk advocate a project that will divert their grain commerce to Montreal? Where does New Orleans and the Mississippi Valley stand? Will those in that section who have labored so long and earnestly for the improvement of the Mississippi stand idly by and see a commerce in which they had hoped to participate to a great extent, diverted to a foreign port?

As far as New York State is concerned, the justice of its position in opposing this scheme is proven. I hope the revealing of the motive Canadian interests have in advocating the project will convince those good people in the Northwest that their belief that some day transatlantic lines will dock at their cities is a myth and that in supporting the project they are voluntarily diverting their commerce to a foreign port and aiding in the destruction of one of the greatest public utilities and assets of the country, the Barge Canal of New York State.

Statement of all expenditures made by the Superintendent of Public Works for the operation, maintenance and repair of the canals, the extraordinary repair of mechanical and other structures and other work and expenses provided for by special acts of the Legislature; also on account of the "Barge Canal" and "Barge Canal Terminals."

Operating expenses and construction or permanent betterments (see Statement No. 1).....\$1,774,116 28

SPECIAL APPROPRIATIONS

Expended for various purposes (see Statement No. 2) 598,437 13

"BARGE CANAL ACT"

Expended as shown on Statement No. 3..... 3,989,646 80

BARGE CANAL IMPROVEMENT

CAYUGA AND SENECA CANAL

Expended as shown on Statement No. 4..... 47,716 72

"BARGE CANAL TERMINAL ACT"

Expended as shown on Statement No. 5..... 2,086,830 46

\$8,496,747 39

STATEMENT No. 1 — (Continued)

	General office	Division	Section No. 1, Erie canal	Section No. 2, Erie canal	Section No. 3, Erie canal	Section No. 4, Erie canal	Section No. 1, Champlain canal	Section No. 2, Champlain canal	Section No. 3, Champlain canal	Total each division	Totals
By superintendents of canal repairs											
Section No. 1, Erie canal			31,836 00							31,836 83	
Salaries, regular			20,617 23								
Wages, temporary											
Section No. 2, Erie canal				23,353 80						23,353 49	
Salaries, regular				9,458 88							
Wages, temporary											
Section No. 3, Erie canal					34,514 73					34,514 34	
Salaries, regular					12,708 63						
Wages, temporary											
Section No. 4, Erie canal						16,824 92				16,824 68	
Salaries, regular						18,408 76					
Wages, temporary											
Section No. 1, Champlain canal							24,784 28			24,784 05	
Salaries, regular							13,768 77				
Wages, temporary											
Section No. 2, Champlain canal								16,242 94		16,242 94	
Salaries, regular								15,548 00			
Wages, temporary											
Section No. 3, Champlain canal									15,225 75	15,225 75	
Salaries, regular									6,885 50	6,885 50	
Wages, temporary											
										21,811 25	254,310 56

STATEMENT NO. 1 — (Continued)

	Division	Section No. 5, Erie canal	Section No. 6, Erie canal	Section No. 7, Erie canal	Oswego canal	Cayuga and Seneca canal	Black River canal	Total each division	Totals
By Middle Division	General supervision								
	Salaries, regular							\$14,359 58	
	General field and shop force								
	Salaries and wages, regular and temporary	\$802 25	\$2,549 16	\$610 75	\$296 63	\$217 50	\$657 50	31,835 45	
	Reservoir division								
	Wages, regular	1,980 00	1,140 00	240 00			1,199 99	5,459 99	
	Boat crews division								
	Salaries and wages, regular and temporary	9,697 55	1,957 93	1,661 53	2,364 08	165 60		27,931 00	
	Additional clerk hire and temporary service								
	Salaries, temporary								69 06
	Section maintenance force								
	Wages, temporary	13,497 30	6,768 95	3,777 77	966 00	4,439 17	11,195 25	43,968 64	
	Miscellaneous								
	Wages, temporary	1,753 72							2,322 73
By superintendents of canal repairs	Section No. 5, Erie canal								\$124,969 44
	Salaries, regular								
	Wages, temporary	19,554 09							
	Salaries, regular	16,301 57							
	Wages, regular	2,446 00							38,301 66
	Section No. 6, Erie canal								
	Salaries, regular		11,782 76						29,694 33
	Wages, temporary		17,911 57						
	Section No. 7, Erie canal								
	Salaries, regular			7,033 28					11,410 45
	Wages, temporary			4,333 07					
	Oswego canal								
	Salaries, regular				29,705 74				46,596 93
	Wages, temporary				13,863 19				
Cayuga and Seneca canal									
Salaries, regular						15,835 64		23,411 14	
Wages, temporary						7,875 50			
Black River canal									
Salaries, regular							4,471 46	21,484 53	
Wages, temporary							17,013 07		

170,901 04

STATEMENT No. 1 — (Continued)
Maintenance and Operation

	Food supplies inspection boat	Fuel, light, power and water	Printing, general	Printing depart- mental report	Adver- tising	Equip- ment	Supplies	Materials	Traveling expenses of Superin- tendent of Public Works
By superintendent.....	\$999 40	\$313 17	\$1,500 39	\$6,535 13	\$1,040 70	\$10,009 05	\$16,673 33	\$133 77	\$2,500 00
EASTERN DIVISION									
By division superintendent:									
Division No. 1, Erie canal.....	7,769 83	.....	.....	.....	4,945 14	11,390 33	16,108 49	.....
Section No. 1, Erie canal.....	3,316 63	.....	.....	99 75	1,475 57	3,733 24	3,317 35	.....
Section No. 2, Erie canal.....	4,970 16	.....	.....	43 72	367 48	3,159 44	2,907 83	.....
Section No. 3, Erie canal.....	5,328 26	.....	.....	83 85	438 03	2,248 06	2,043 63	.....
Section No. 4, Erie canal.....	1,545 02	.....	.....	.....	263 53	3,586 47	3,169 92	.....
Section No. 5, Erie canal.....	1,435 43	.....	.....	89 47	399 33	4,123 18	2,803 43	.....
Section No. 1, Champlain canal.....	1,330 75	.....	.....	73 43	363 14	2,547 33	1,806 07	.....
Section No. 2, Champlain canal.....	250 50	.....	.....	83 43	94 50	2,125 39	5,790 07	.....
MIDDLA DIVISION									
By division superintendent:									
Division No. 6, Erie canal.....	2,700 23	.....	.....	.....	6,215 49	17,091 45	20,598 17	.....
Section No. 6, Erie canal.....	1,064 51	.....	.....	77 25	308 30	3,107 09	7,310 90	.....
Section No. 7, Erie canal.....	241 66	.....	.....	92 07	.....	2,883 23	6,346 67	.....
Oswego canal.....	875 17	.....	.....	48 73	55 50	927 45	114 06	.....
Cayuga and Seneca canal.....	1,333 70	.....	.....	125 97	.....	2,333 31	631 24	.....
Black River canal.....	1,144 47	.....	.....	73 50	46 00	1,266 85	1,096 13	.....
.....	136 45	.....	.....	94 71	.....	145 98	4,268 07	.....
WESTERN DIVISION									
By division superintendent:									
Division No. 8, Erie canal.....	1,977 66	.....	.....	.....	2,963 11	4,656 43	6,457 79	.....
Section No. 8, Erie canal.....	3,324 38	.....	.....	74 22	533 97	2,090 11	1,110 77	.....
Section No. 9, Erie canal.....	3,613 40	.....	.....	167 72	314 60	5,124 54	1,129 68	.....
Section No. 10, Erie canal.....	1,118 47	.....	.....	168 83	584 83	1,745 23	2,021 12	.....
Section No. 11, Erie canal.....	2,277 50	.....	.....	50 00	363 29	1,337 87	1,731 98	.....
.....
By superintendent.....	\$999 40	\$44,966 28	\$1,500 39	\$6,525 13	\$3,456 90	\$39,999 91	\$91,251 05	\$94,971 16	\$2,500 00

STATEMENT NO. 1 — (Continued)
Maintenance and Operation

	Travelling expenses of Deputy Superintendent of Public Works	Travelling expenses of other officials and employees	Communi- cation	Payment of small claims	General plant service	Rents	Totals	Totals each division	Total
By superintendent.....	\$764 49	\$8,791 22	\$5,229 35	\$147 04	\$9,367 05	\$399 00	\$65,252 97	\$65,252 97	
EASTERN DIVISION									
By division superintendent:									
Division No. 1, Erie canal.....		6,792 20	1,096 07	8 00	16 49	725 00	48,721 60		
Section No. 1, Erie canal.....		6,136 06	896 17				8,483 31		
Section No. 2, Erie canal.....		1,070 89	934 81	8 00	1,679 17		13,157 76		
Section No. 3, Erie canal.....		824 83	944 91		1,147 00		13,106 48		
Section No. 4, Erie canal.....		886 25	548 45		486 36		16,496 01		
Section No. 1, Champlain canal.....		680 09	645 36		967 28		10,864 60		
Section No. 2, Champlain canal.....		207 63	311 09		234 50	41 68	6,817 10		
Section No. 3, Champlain canal.....		679 38	407 62			108 00	9,467 89	127,114 75	
MIDDLE DIVISION									
By division superintendent:									
Division.....		8,423 19	2,277 08		967 16		\$58,261 77		
Section No. 5, Erie canal.....		1,146 96	592 33		148 30		13,977 64		
Section No. 6, Erie canal.....		579 93	304 76		541 88		10,860 11		
Section No. 7, Erie canal.....		182 75	176 14		139 24	90 84	2,809 89		
Owego canal.....		518 93	815 34		266 42	177 00	6,261 81		
Cayuga and Seneca canal.....		662 35	195 72				4,494 82		
Black River canal.....		651 16	137 15		12 00		5,445 49	101,931 53	
WESTERN DIVISION									
By division superintendent:									
Division.....		4,544 86	1,297 05				\$31,826 89		
Section No. 8, Erie canal.....		1,306 29	589 97				9,041 71		
Section No. 9, Erie canal.....		1,131 37	373 60				11,864 91		
Section No. 10, Erie canal.....		1,264 70	633 54				9,166 20		
Section No. 11, Erie canal.....		580 58	229 90				6,550 12	58,449 83	\$852,749 06
	\$764 49	\$41,113 63	\$17,993 35	\$163 04	\$16,998 85	\$1,441 53			\$852,749 06

STATEMENT No. 1 — (Continued)
Construction or Permanent Betterments

		Totals each division	Totals
Removal of bridges spanning portions of the abandoned canals			
By division superintendents.....	\$34,370 09	.....	\$34,370 09
Ditching in canal prism			
By division superintendents.....	\$3,110 87	.....	3,110 87
Construction or cleaning out of drainage ditches			
By division superintendents.....	\$11,591 24	.....	11,591 24
Construction of store and lockhouses			
By division superintendents.....	\$2,173 20	.....	2,173 20
Cleaning out Bell's creek in the town of Schroepfel, Oswego county			
By division superintendent.....	\$970 70	.....	970 70
For the purchase or construction of new floating plant			
By division superintendents.....	\$6,493 77	.....	6,493 77
For the extension of telephone service to new canal structures			
By division superintendents.....	\$52 83	.....	52 83
For the purchase or construction of motor boats			
By superintendent.....	\$1,550 00		
By division superintendents.....	480 00	.....	2,000 00
For the construction of cottages for housing of lock forces at locks in isolated places			
By division superintendents.....	\$10,417 63	.....	10,417 63
For the elimination of bridge at High street, Cohoes, and the substitution of earthen embank- ments			
By superintendent.....	\$11,737 00	.....	11,737 00
Prize lock, Barge canal			
By division superintendent.....	\$379 00	.....	379 00
Drake's draw bridge			
Bridge tender, salary.....	\$720 00	.....	720 00
Miniscoe creek draw bridge			
Bridge tender, salary.....	\$720 00	.....	720 00
Wheatfield highway			
By superintendent.....	\$207 00	.....	207 00
Construction and repairs			
By superintendent.....	\$178 203 27	\$178 203 27	
EASTERN DIVISION			
By division superintendent			
Division.....	\$24 952 38		
Section No. 1, Erie canal.....	1 795 65		
Section No. 2, Erie canal.....	25 108 16		
Section No. 3, Erie canal.....	2 051 18		
Section No. 4, Erie canal.....	14 130 00		
Section No. 1, Champlain canal.....	2 531 60		
Section No. 2, Champlain canal.....	3 266 01		
Section No. 3, Champlain canal.....	1 013 75	\$75 448 73	
MIDDLE DIVISION			
By division superintendent			
Division.....	\$21 899 12		
Section No. 5, Erie canal.....	6 482 62		
Section No. 6, Erie canal.....	1 968 01		
Section No. 7, Erie canal.....	251 28		
Oswego canal.....	1 515 87		
Cayuga and Seneca canal.....	677 70		
Black river canal.....	5,882 95	\$38,977 55	

STATEMENT No. 1 — (Concluded)

		Totals each division	Totals
WESTERN DIVISION			
By division superintendent			
Division	\$2,499 99		
Section No. 8, Erie canal	14,113 85		
Section No. 9, Erie canal	8,979 85		
Section No. 10, Erie canal	5,766 36		
Section No. 11, Erie canal	2,870 60		
		\$34,230 65	
			\$326,800 20
			\$1,774,116 28

STATEMENT No. 2

Statement of payments made by the Superintendent of Public Works under Legislative Acts, for the purposes therein stated, from January 1, 1919, to January 1, 1920.

To provide towing facilities on certain canals of the State. (Chapters 237 and 343, Laws of 1917 and 1918.)

By Division Superintendent	\$3,930 33	
		\$3,930 33

Repair, improvement and preservation of the building known as "Guy Park House" and the grounds adjacent thereto in the city of Amsterdam. (Chapters 316, 151 and 177, Laws of 1917, 1918 and 1919.)

By Division Superintendent.....	\$2,365 43	
		2,365 43

For the purpose of supplementing facilities at Barge Canal terminals, partly constructed, to meet emergency conditions. (Chapter 592, Laws of 1918.)

By Superintendent	\$53,648 49	
By Division Superintendent	2,616 53	
		56,265 02

To restore the Black River canal to a navigable condition for its entire length by the repair and rebuilding of certain structures thereof. (Chapter 564, Laws of 1918.)

By Superintendent	\$32,467 41	
		32,467 41

110 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

Construction of a new bridge over the Erie canal at Hertel avenue in the city of Buffalo. (Chap- ters 761 and 177, Laws of 1917 and 1919.)		
Lupfer & Remick, contractor.....	\$14,952 20	
		\$14,952 20
Dredging Chadakoin river, known as Chautauqua lake outlet. (Chapters 758, 728, 181 and 644, Laws of 1913, 1915, 1917 and 1919.)		
By Superintendent	\$43,865 64	
		43,865 64
For excavating and deepening the harbor and channel and entrance thereto at the foot of Can- andaigua lake in the county of Ontario and to repair the pier and breakwater. (Chapters 756 and 644, Laws of 1917 and 1919.)		
W. F. Martens, contractor.....	\$5,108 94	
		5,108 94
For dredging and otherwise improving Cowasselon creek, known also as the State ditch in the county of Madison. (Chapter 781, Laws of 1917.)		
Robert Provo, contractor	\$1,121 70	
		1,121 70
For the deepening of the channel of Ellicott creek, from the Erie canal to the city line of the city of Tonawanda and for the repair of the bridges crossing the same. (Chapters 624 and 728, Laws of 1913 and 1915, Chapters 760 and 181, Laws of 1917, Chapters 85 and 644, Laws of 1918, 1919.)		
J. W. Hennessy, Inc., contractor.....	\$52,558 96	
		52,558 96
Constructing a concrete culvert over the Eighteen Mile creek in the city of Lockport. (Chapters 626 and 644, Laws of 1917 and 1919.)		
Savage Construction Co., Inc., contractor.....	\$9,036 00	
Advertising	125 00	
		9,161 00
Repair of sea wall heretofore built by the State to prevent inundation and overflowing of the uplands and highways between the villages of East Marion and Orient in town of Southold, Suffolk county. (Chapter 428, Laws of 1918.)		
Rosoff Engineering Co., contractor.....	\$1,267 81	
Advertising	24 00	
		1,291 81

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 111

Construction of a bridge over the Cayuga and Seneca canal at Lake street in the city of Geneva. (Chapter 351, Laws of 1918.)

E. Brown Baker, contractor.....	\$48,231 00	
	<hr/>	\$48,231 00

For the prevention of floods on property abutting Griffin creek in the village of Cuba, Allegany county. (Chapter 565, Laws of 1918.)

By Superintendent	\$3,349 51	
	<hr/>	3,349 51

Schenectady-Scotia Bridge. (Chapters 735 and 634, Laws of 1917 and 1919.)

By Superintendent	\$362 35	
	<hr/>	362 35

Maintenance of Greenbush (Hudson) bridge between the counties of Albany and Rensselaer. (Chapter 642, Laws of 1919.)

By Superintendent	\$8,670 01	
	<hr/>	8,670 01

For the construction of a bridge by the State over a portion of the Oswego river and the Barge canal at Minetto in the county of Oswego, to connect with a bridge to be built by local authorities over a portion of such river. (Chapters 716 and 181, Laws of 1915 and 1917.)

Larkin & Sangster, contractor.....	\$10,000 00	
	<hr/>	10,000 00

For the straightening, dredging and making other improvements to restrain and control the waters of the Allegany river and Olean creek within the corporate limits of the city of Olean. (Chapters 717 and 181, Laws of 1915 and 1917.)

Lord Construction Co., contractor.....	\$4,419 63	
Engineering	600 00	
Land appropriated	300 00	
By Superintendent	7,633 05	
	<hr/>	12,952 68

For carrying on and completing the flood abatement improvement in connection with the waters of Allegany river and Olean creek. (Chapter 605, Laws of 1919.)

By Superintendent	\$24,674 47	
	<hr/>	24,674 47

For the installation of pile fenders at the terminal dock on Lake Champlain in the village of Port Henry and work incidental thereto. (Chapter 235, Laws of 1919.)

By Superintendent	\$2,487 95	
	<hr/>	2,487 95

112 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

Construction of a new steel bridge with roadway and sidewalks over the Black River canal at East Whitesboro street in the city of Rome. (Chapters 753 and 177, Laws of 1917 and 1919.)

Walter S. Rae, contractor.....	\$10,611 86	
		\$10,611 86

For the construction of a dive culvert at Rome, N. Y., for the purpose of maintaining a proper water level of the canal. (Chapter 346, Laws of 1918.)

Scott Brothers, contractors.....	\$16,101 00	
Advertising	160 00	
		16,261 00

Empowering the town of Southampton in the county of Suffolk to construct a lock in the Shinnecock and Peconic canal. (Chapter 604, Laws of 1919.)

Charles H. Redfield, supervisor, town of Southampton	\$35,000 00	
		35,000 00

For necessary repairs and maintenance of structures which have been constructed by the Superintendent of Public Works on and connected with waters of the State and which are not included as part of the canal system. (Chapters 791, 728, 181 and 177, Laws of 1913, 1915, 1917, 1919.)

By Division Superintendent	\$683 20	
		683 20

Providing towing facilities on State canals. (Chapter 264, Laws of 1919.)

By Superintendent	\$148,601 04	
By Division Superintendents	3,463 62	
		152,064 66
		\$598,437 13

STATEMENT NO. 3

Statement of payments made by the Superintendent of Public Works from January 1, 1919, to January 1, 1920, under the "Barge Canal Act."

(Chapter 147, Laws of 1903, and Amendatory Acts thereto.)

Contract No. 1-A:

Holler & Shepard, contractor.....	\$20,427 61	
		\$20,427 61

Contract No. 19-A:

Empire Engineering Co., Inc., contractor.....	\$64,543 42	
		64,543 42

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 113

Contract No. 20-D:

American Pipe & Construction Co., contractor, extra or unspecified work (see Canal Board proceedings January 15, January 22 and April 2, 1919)	\$10,378 61	
	<hr/>	\$10,378 61

Contract No. 21-A:

Walsh Construction Co., contractor.....	\$265,124 60	
	<hr/>	265,124 60

Contract No. 23-A:

Empire Engineering Co., Inc., contractor.....	\$460,326 99	
	<hr/>	460,326 99

Contract No. 29-A:

Eastover Construction Co., contractor.....	\$81,154 20	
	<hr/>	81,154 20

Contract No. 42-A:

Grant Smith & Co. & Locher, contractor.....	\$15,599 68	
	<hr/>	15,599 68

Contract No. 44-A:

Scott Brothers, contractor.....	\$12,066 67	
	<hr/>	12,066 67

Contract No. 46-B:

Scott Brothers, contractor	\$7,144 41	
Extra or unspecified work (see Canal Board pro- ceedings February 13 and June 25, 1919).....	1,190 43	
	<hr/>	8,334 84

Contract No. 47-A:

The Sherman-Stalter Co., contractor.....	\$218 61	
By Superintendent	594 93	
	<hr/>	813 54

Contract No. 50:

MacArthur Brothers Co., contractor.....	\$843,836 94	
	<hr/>	843,836 94

Contract No. 63-A:

State Highway Construction Co., contractor....	\$15,543 24	
Extra or unspecified work (see Canal Board pro- ceedings February 27 and March 6, 1918)....	5,767 11	
	<hr/>	21,310 35

Contract No. 63-A, Completion of:

By Superintendent	\$8,524 78	
	<hr/>	8,524 78

Contract No. 73-A:

Great Lakes Dredge & Dock Co., contractor....	\$134,855 32	
Extra or unspecified work (see Canal Board pro- ceedings May 21, 1919).....	247 55	
	<hr/>	135,102 87

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Contract No. 83:

Mohawk Dredge & Dock Co., Inc., contractor....	\$23,610 60	
Extra or unspecified work (see Canal Board proceedings December 18, 1918).....	2,000 00	
		<u>\$25,610 60</u>

Contract No. 84:

Lupfer & Remick, contractor.....	\$29,198 79	
Extra or unspecified work (see Canal Board proceedings August 6, 1919).....	1,031 41	
By State Engineer and Surveyor.....	3,799 20	
		<u>34,029 40</u>

Contract No. 91:

The Ludlow Valve Manufacturing Co.....	\$1,119 32	
		<u>1,119 32</u>

Contract No. 98:

Tift Construction Co., Inc., contractor.....	\$13,213 98	
		<u>13,213 98</u>

Contract No. 99:

Larkin & Sangster, contractor.....	\$42,507 24	
		<u>42,507 24</u>

Contract No. 117:

Walter S. Rae, contractor.....	\$25,929 00	
		<u>25,929 00</u>

Contract No. 122-A:

Chesley, Earl & Heimbach, Inc., contractor.....	\$23,525 09	
		<u>23,525 09</u>

Contract No. 137:

J. A. Laporte, contractor.....	\$200 00	
		<u>200 00</u>

Contract No. 138:

Combined Construction Co., contractor.....	\$542,625 64	
		<u>542,625 64</u>

Contract No. 141:

Wm. F. Maas & Son, contractor.....	\$16,020 23	
By State Engineer and Surveyor.....	265 21	
		<u>16,285 44</u>

Contract No. 144-A:

Brown & Low Co. & Law Bros., contractor.....	\$20,592 00	
Printing	134 40	
		<u>20,726 40</u>

Contract No. 146:

Peckham Construction Co., Inc., contractor.....	\$48,285 00	
Extra or unspecified work (see Canal Board proceedings July 17, 1919)	75 00	
		<u>48,360 00</u>

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 115

Contract No. 147:

Lathrop, Shea & Henwood Co., contractor.....	\$91,043 00	
Extra or unspecified work (see Canal Board proceedings May 7, August 8 and September 17, 1919)	4,226 93	
		\$95,269 93

Contract No. 148:

Lathrop, Shea & Henwood Co., contractor.....	\$30,708 00	
Extra or unspecified work (see Canal Board proceedings October 1, 1919).....	840 00	
		31,548 00

Contract No. 152:

Printing	\$5 00	
		5 00

Contract No. 155:

Lupfer & Remick, contractor, extra or unspecified work (see Canal Board proceedings May 21, 1919)	\$930 36	
		930 36

Contract No. 156:

Chesley, Earl & Heimbach, Inc., contractor.....	\$967 30	
		967 30

Contract No. 157:

Thomas Bowen, contractor, extra or unspecified work (see Canal Board proceedings February 13, 1919)	\$63 65	
		63 65

Contract No. 159:

I. M. Ludington's Sons, Inc., contractor.....	\$6,749 66	
		6,749 66

Contract No. 161:

Lord Construction Co., contractor.....	\$5,166 20	
Extra or unspecified work (see Canal Board proceedings February 13, 1919).....	455 02	
		5,621 22

Contract No. 164:

Lathrop, Shea & Henwood Co., contractor.....	\$24,658 20	
Extra or unspecified work (see Canal Board proceedings February 13, February 26, March 19, April 16, May 7, June 11, June 25, July 16 and October 15, 1919).....	107,803 11	
		132,461 31

Contract No. 165:

Mohawk Dredge & Dock Co., Inc., contractor....	\$15,136 26	
		15,136 26

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Contract No. 167:		
Walter S. Rae, contractor.....	\$23,330 80	
	<hr/>	\$23,330 80
Contract No. 168:		
Bronk & Kimmey, contractor.....	\$45,395 28	
Extra or unspecified work (see Canal Board pro- ceedings January 22 and October 1, 1919).....	3,205 48	
	<hr/>	48,600 76
Contract No. 170:		
Cleveland & Sons Co., contractor.....	\$6,764 24	
Extra or unspecified work (see Canal Board pro- ceedings December 27, 1918).....	3,651 51	
	<hr/>	10,415 75
Contract No. 172:		
Lupfer & Remick, contractor.....	\$550 00	
	<hr/>	550 00
Contract No. 179:		
I. M. Ludington's Sons, Inc., contractor.....	\$28,227 00	
	<hr/>	28,227 00
Contract No. 180:		
Dunbar & Sullivan Dredging Co., contractor...	\$1,924 54	
	<hr/>	1,924 54
Contract No. 181:		
Law Brothers, contractor.....	\$5,589 72	
	<hr/>	5,589 72
Contract No. 182:		
E. Brown Baker, contractor.....	\$17,778 50	
	<hr/>	17,778 50
Contract No. 183:		
Donnell, Zane Co., contractor.....	\$5,504 53	
	<hr/>	5,504 53
Contract No. 185:		
American Pipe & Construction Co., contractor...	\$38,924 33	
	<hr/>	38,924 33
Contract No. 187:		
Scott Brothers, contractor.....	\$3,371 80	
	<hr/>	3,371 80
Contract No. 188:		
E. Brown Baker, contractor.....	\$24,529 90	
	<hr/>	24,529 90
Contract No. 189:		
Printing	\$84 06	
	<hr/>	84 06

Contract No. 190:

Empire Engineering Co., Inc., contractor.....	\$157,446 00	
Printing	108 27	
Advertising	490 40	
	<hr/>	\$158,044 67

Contract No. 191:

Empire Engineering Co., Inc., contractor.....	\$114,507 00	
Printing	87 62	
Advertising	252 00	
	<hr/>	114,846 62

Contract No. 192:

Brown & Lowe Co., contractor.....	\$255,141 00	
Advertising	712 40	
	<hr/>	255,853 40

Contract No. 194:

Printing	\$87 54	
	<hr/>	87 54

Contract No. 196:

Printing	\$51 44	
	<hr/>	51 44

Contract No. 197:

Stewart Brothers, contractor.....	\$14,619 90	
Printing	87 62	
Advertising	215 90	
	<hr/>	14,923 42

Contract No. 198:

Lupfer & Remick, contractor.....	\$13,086 00	
Printing	165 16	
	<hr/>	13,251 16

Contract No. 200:

Lupfer & Remick, contractor.....	\$115,471 63	
Extra or unspecified work (see Canal Board proceedings April 2 and August 20, 1919).....	13,375 00	
Printing	113 36	
Advertising	141 45	
	<hr/>	129,101 44

Contract No. 201:

I. M. Ludington's Sons, Inc., contractor.....	\$46,460 00	
Printing	104 66	
Advertising	141 45	
	<hr/>	46,706 11

Contract No. 202:

Printing	\$93 28	
	<hr/>	93 28

General Expenses:

Dredging at east end of Oneida lake	\$12,256 27	
Repairs stop gate at Rome	2,200 64	
Ditching at Montezuma	11 40	
Constructing shelter houses at locks 32 and 33, Erie canal	348 04	
Dredging at Fulton	104 03	
Repairs at Clyde bridge	1,972 38	
Ditching on site of Contract No. 60	285 50	
Clerk hire	96 00	
Recording appropriations of land	151 87	
		<hr/>
		\$17,426 13
		<hr/>
		\$3,989,646 80
		<hr/>

STATEMENT NO. 4.

*Statement of payments made by the Superintendent of Public Works from
January 1, 1919, to January 1, 1920, for the improvement of the
Cayuga and Seneca Canal.*

(Chapter 391, Laws of 1909.)

Contract M:

Lupfer & Remick, contractor	\$6,684 64	
Extra or unspecified work (see Canal Board pro- ceedings December 27, 1918)	221 35	
		<hr/>
		\$6,906 99

Contract Q:

W. F. Martens, contractor	\$5,092 00	
Printing	85 83	
Advertising	141 45	
		<hr/>
		5,319 28

Contract R:

The Sherman-Stalter Co., contractor	\$19,093 38	
Advertising	15 75	
		<hr/>
		19,109 13

Contract T:

Kennedy & Scullen Construction Co., Inc., con- tractor	\$10,845 00	
Printing	103 24	
Advertising	215 90	
		<hr/>
		11,164 14

Contract U:

Smith Soper, contractor	\$5,147 68	
Advertising	70 50	
		<hr/>
		5,218 18
		<hr/>
		\$47,716 72
		<hr/>

STATEMENT No. 5.

Statement of payments made by the Superintendent of Public Works from January 1, 1919, to January 1, 1920, under the "Barge Canal Terminal Act."

(Chapter 746, Laws of 1911.)

Contract No. 8-P:		
James P. Kelly, contractor.....	\$1,464 55	
Extra or unspecified work (see Canal Board proceedings January 25, 1919).....	265 14	
		\$1,729 69
Contract No. 10-P:		
Patrick W. Mulderry, contractor.....	\$683 10	
		683 10
Contract No. 15-M:		
Lupfer & Remick, contractor.....	\$3,859 72	
		3,859 72
Contract No. 16-P:		
E. Brown Baker, contractor.....	\$776 50	
		776 50
Contract No. 19:		
Mason, Hilton & Co. and Merrill, Ruckgaber Company, assignee of McHarg-Barton Co., contractor.	\$31,812 64	
By State Engineer and Surveyor.....	2,528 13	
		34,340 77
Contract No. 20:		
Walsh Construction Co., contractor.....	\$167,340 05	
		167,340 05
Contract No. 21:		
Empire Engineering Co., Inc., contractor.....	\$297,402 45	
		297,402 45
Contract No. 26:		
John E. Byron & Co., contractor.....	\$4,959 17	
Raymond A. Kelton, assignee.....	700 00	
		5,659 17
Contract No. 27-P:		
P. W. Mulderry, contractor.....	\$464 45	
		464 45
Contract No. 31:		
Lupfer & Remick, contractor.....	\$25,876 09	
		25,876 09
Contract No. 33-P:		
Guy B. Dickinson, contractor.....	\$409 30	
		409 30
Contract No. 36-A:		
Printing.	\$152 69	
		152 69

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Contract No. 37:		
Holler & Shepard, contractor.....	\$934 73	
		\$934 73
Contract No. 38:		
I. J. Stander & Co., Inc., contractor.....	\$103,572 00	
Extra or unspecified work (see Canal Board proceedings August 6 and August 20, 1919)	352 00	
		103,924 00
Contract No. 41:		
Printing.	\$50 98	
		50 98
Contract No. 42:		
Leonard Paving Co., contractor.....	\$42,579 00	
Printing.	60 34	
		42,639 34
Contract No. 43:		
McHarg-Barton Co., contractor.....	\$26,559 00	
Printing.	161 14	
		26,720 14
Contract No. 44:		
George W. Rogers & Co., Inc., contractor.....	\$33,091 73	
Extra or unspecified work (see Canal Board proceedings November 5 and November 19, 1919) .	5,346 04	
		38,437 77
Contract No. 44-P:		
The Asphalt Construction Co., contractor.....	\$78,279 30	
Printing.	144 96	
Advertising.	263 20	
		78,687 46
Contract No. 48:		
Michael H. Ripton, contractor.....	\$18,719 44	
		18,719 44
Contract No. 52:		
Kaufman & Garcey, contractor.....	\$39,590 16	
		39,590 16
Contract No. 52-P:		
The Sicilian Asphalt Paving Co., contractor....	\$11,252 00	
Printing.	103 40	
Advertising.	165 80	
		11,521 20
Contract No. 53:		
Walsh Construction Co., contractor.....	\$397,265 81	
		397,265 81
Contract No. 55:		
Riverside Contracting Co., contractor.....	\$95,877 00	
Extra or unspecified work (see Canal Board proceedings August 20 and December 17, 1919) ..	4,000 00	
		99,877 00

Contract No. 56:

I. J. Stander & Co., Inc., contractor.....	\$3,801 68	
Extra or unspecified work (see Canal Board proceedings February 13 and May 7, 1919).....	2,889 71	
		<u>\$6,691 39</u>

Contract No. 57:

Charles Kiehm, contractor.....	\$77,760 00	
Printing.	154 89	
Advertising.	141 45	
		<u>78,056 34</u>

Contract No. 58:

C. P. Boland & Co., contractor.....	\$19,481 57	
		<u>19,481 57</u>

Contract No. 59:

W. F. Martens, contractor.....	\$530 51	
		<u>530 51</u>

Contract No. 60:

W. F. Martens, contractor.....	\$110 00	
		<u>110 00</u>

Contract No. 61:

Walsh Construction Co., contractor.....	\$5,639 60	
		<u>5,639 60</u>

Contract No. 62:

Walsh Construction Co., contractor.....	\$10,641 45	
		<u>10,641 45</u>

Contract No. 63:

Harry W. Roberts & Co., contractor.....		
Extra or unspecified work (see Canal Board proceedings July 16, 1919).....	\$1,225 93	
		<u>1,225 93</u>

Contract No. 64:

American Pipe and Construction Co., contractor.	\$505 64	
		<u>505 64</u>

Contract No. 66:

Empire Engineering Co., Inc., contractor.....	\$8,584 13	
		<u>8,584 13</u>

Contract No. 67:

Walsh Construction Co., contractor.....	\$6,599 60	
		<u>6,599 60</u>

Contract No. 68:

Walsh Construction Co., contractor.....	\$6,270 30	
		<u>6,270 30</u>

Contract No. 69:

Richard C. Bush, contractor.....	\$5,157 00	
Extra or unspecified work (see Canal Board proceedings August 6, 1919).....	2,500 00	
Printing.	112 68	
Advertising.	141 46	
		<u>7,911 14</u>

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Contract No. 70:

Advertising.	\$187 50	
Printing.	88 21	
		<hr/>
		\$275 71

Contract No. 77:

New Jersey Shipbuilding and Dredging Co., contractor.	\$42,894 00	
Printing.	93 67	
Advertising.	263 20	
		<hr/>
		43,250 87

Contract No. 101:

Mohawk Dredge and Dock Co., Inc., contractor..	\$5,147 92	
Extra or unspecified work (see Canal Board proceedings January 15, 1919).....	1,190 00	
		<hr/>
		6,337 92

Contract No. 102:

Printing.	\$105 27	
Advertising.	215 90	
		<hr/>
		321 17

Contract No. 103-A:

Brown Portable Conveying Machinery Co., contractor.	\$4,275 00	
		<hr/>
		4,275 00

Contract No. 105:

Lord Electric Co., contractor.....	\$13,968 00	
Extra or unspecified work (see Canal Board proceedings May 7 and May 21, 1919).....	2,941 43	
		<hr/>
		16,909 43

Contract No. 107:

J. Livingston & Co., Inc., contractor.....	\$414 00	
Printing.	156 79	
Advertising.	141 45	
		<hr/>
		712 24

Contract No. 108:

Printing.	\$123 94	
		<hr/>
		123 94

Contract No. 109:

General Electric Co., contractor.....	\$9,513 00	
Extra or unspecified work (see Canal Board proceedings November 13, 1918).....	219 00	
		<hr/>
		9,732 00

Contract No. 110:

Printing.	\$96 97	
		<hr/>
		96 97

Contract No. 112:

Lansing Company, contractor.....	\$5,760 00	
Printing.	95 52	
		<hr/>
		5,855 52

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 123

Contract No. 113:		
General-Electric Co., contractor.....	\$6,336 00	
Printing.	105 14	
Advertising.	165 80	
	<hr/>	\$6,606 94
Contract No. 116:		
Printing.	\$270 10	
	<hr/>	270 10
Contract No. 117:		
Printing.	\$102 76	
Advertising.	165 80	
	<hr/>	268 56
Contract No. 201:		
J. A. Laporte, contractor.....	\$9,462 58	
By Superintendent	25,169 02	
	<hr/>	34,631 60
Contract No. 207:		
L. J. Stander & Co., Inc., contractor.....	\$123,307 00	
Extra or unspecified work (see Canal Board pro- ceedings December 17, 1919).....	1,008 49	
	<hr/>	124,315 49
Contract No. 207-H:		
Miller & Brady, Inc., contractor.....	\$2,007 00	
	<hr/>	2,007 00
Contract No. 207-P:		
Jarcho Bros. Company, contractor.....	\$5,517 00	
	<hr/>	5,517 00
Contract No. 212:		
The Felton Construction Corporation, contractor.	\$84,096 00	
	<hr/>	84,096 00
Contract No. 213:		
Savage Construction Co., contractor.....	\$4,215 40	
Extra or unspecified work (see Canal Board pro- ceedings June 11, 1919).....	371 82	
	<hr/>	4,587 22
Contract No. 214:		
Kennedy & Scullen Construction Co., contractor.	\$2,712 00	
Extra or unspecified work (see Canal Board pro- ceedings March 19, 1919).....	335 02	
	<hr/>	3,047 02
Contract No. 216:		
Savage Construction Co., contractor.....		
Extra or unspecified work (see Canal Board pro- ceedings February 26, 1919).....	\$299 00	
	<hr/>	299 00
Contract No. 217:		
A. E. Norton, Inc., contractor.....	\$70,209 00	
Extra or unspecified work (see Canal Board pro- ceedings February 26 and December 17, 1919).	1,090 00	
	<hr/>	71,299 00

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Contract No. 217-P:

Altman Plumbing Co., contractor.....	\$1,863 00	
Extra or unspecified work (see Canal Board proceedings November 5, 1919).....	352 25	
Printing.....	111 29	
Advertising.....	132 00	
		<hr/>
		\$2,458 54

Contract No. 218:

Donnell-Zane Co., Inc., contractor.....	\$14,850 00	
Printing.....	164 50	
Advertising.....	263 20	
		<hr/>
		15,277 70

Contract No. 221:

Kennedy & Scullen Construction Co., Inc., contractor.....	\$694 10	
Extra or unspecified work (see Canal Board proceedings January 22, 1919).....	379 11	
		<hr/>
		1,073 21

Contract No. 222:

J. A. Laporte, contractor.....	\$48 40	
		<hr/>
		48 40

Contract No. 223:

Post & McCord, contractor.....	\$66,051 00	
Extra or unspecified work (see Canal Board proceedings August 6, 1919).....	5,031 37	
Printing.....	167 60	
Advertising.....	141 46	
		<hr/>
		71,391 43

Contract No. 226:

J. A. Laporte, contractor.....	\$5,030 58	
Printing.....	73 27	
Advertising.....	117 45	
		<hr/>
		5,221 30

Contract No. 227:

J. A. Laporte, contractor.....	\$9,305 20	
Printing.....	79 42	
Advertising.....	117 45	
		<hr/>
		9,502 07

General Expenses:

Confidential appraiser and investigator, salary and expense.....	\$3,057 33	
Moving buildings and repairs, Rochester terminal.....	4,085 72	
Recording appropriations of land.....	169 85	
Repairs, Schenectady terminal.....	399 60	
		<hr/>
		7,712 50

\$2,086,830 46

STATEMENT No. 6

Statement of Moneys Paid Into the State Treasury by the Superintendent of Public Works from January 1, 1919, to January 1, 1920.

Ice privileges, see Appendix "A".....	\$2,030 02
Rental of lands for farming purposes, see Appendix "B"....	3,979 50
Rentals for other than farming purposes, see Appendix "C"...	13,706 82
Sales of sand and gravel, see Appendix "D".....	1,449 90
Sales of materials other than sand and gravel, see Appendix "E" .	4,041 05
Sales of buildings, see Appendix "F".....	658 00
Miscellaneous receipts, see Appendix "G".....	1,205 09
Fees for filing liens, mortgages, etc., see Appendix "H".....	19 06
Fees for towing boats, see Appendix "I".....	44,318 33
Reconveyance of land, see Appendix "J".....	9,829 27
Fees for inspection of boats and issuance of licenses, see Appendix "K"	2,300 50
Receipts for freight and passenger privileges, Greenbush (Hudson) bridge, see Appendix "L".....	8,366 46
Fees for wharfage privileges, see Appendix "M".....	4,044 00
	<hr/>
	\$95,948 00
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APPENDIX "A"

ICE PRIVILEGES

Received for privileges granted for cutting ice:

W. S. Hamlin, Assistant Superintendent, from:

Borden Farm Products Co.....	\$25 00
Robert McPherson	3 13
William F. Dotter.....	100 00
H. C. McDougall	3 13
Elmer Higgins	18 75
Edward Quackenbush	12 50
Yarden Brothers	31 25
Albert Hoffman	6 25
Borden Farm Products Co., Inc.....	17 50
Charles N. Smith.....	12 50
Niskayuna Ice Co.....	25 00
Bierbauer Brewing Co.....	12 50
A. Rioux	75 00
S. Dotter Estate Ice Co.....	172 50
Mohawk River Ice Co.....	50 00
Miller Brothers	31 25
Hiram Walk	75 00

\$671 26

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Thomas R. Crane, Assistant Superintendent, from:

Daniel McCarthy	\$87 50
John Brookman	25 00
Mohawk River Ice Co.....	25 00
Daniel Norton (1918).....	395 00
Waterford Ice Co.....	12 50
John Bruno	12 50
J. C. Benney.....	10 00
John Force	12 50
National Ice & Coal Co.....	50 00

\$630 00

D. S. Burleigh, Assistant Superintendent from:

Standard Dairy Co.....	\$25 00
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25 00

P. J. Cawley, Assistant Superintendent, from:

Fred J. Leland.....	\$5 00
J. A. Lenway.....	5 00
E. A. Cronk.....	5 00
Fred Laquay	5 00
Boonville Milk & Cream Co.....	3 13
Merlin Barnes	1 25
Patrick Bowe	5 00
W. D. Fryer.....	9 25
M. C. Copeland.....	50 00
P. Bach	25 00
W. E. Lewis.....	6 25
Roy Thomas	12 50
— Tyler	12 50
Sheffield Cheese Co.....	25 00
Charles Coan	3 50
Frank Ryan	25 00
Levy Dairy Co.....	25 00
Onondaga County Penitentiary.....	6 25
New York Ontario & Western Railway Co.....	358 50
W. M. Evans Dairy Co.....	3 13

591 26

Jacob Allmeroth, Assistant Superintendent, from:

D. E. Clair Ice Company.....	\$100 00
Herman Filkins	6 25
Townsend Smith	6 25

112 50

\$2,030 02

APPENDIX "B"

Received for rental of lands for farming purposes during the season of 1919:

Date of permit	NAME	Parcel	Contract	Amount
1918				
Dec. 2	Dinkleman Brothers.....	666.....	14.....	\$20 00
Dec. 19	E. C. Rogers.....	474-902.....	25.....	10 50
1919				
Jan. 3	C. J. Hixon.....	282.....	8.....	12 50
Jan. 3	Grant Reynolds.....	2794.....	48.....	5 00
Jan. 3	Mrs. Cora E. Moon.....	4427.....	71-A.....	10 00
Jan. 3	William R. Massie.....	2175.....	71-A.....	10 00
Jan. 3	M. P. McKitterick.....	484-485.....	27.....	60 00
Jan. 3	Thomas W. Winnie.....	1938-1940.....	14.....	10 00
Jan. 6	Charles Raso.....	279.....	8.....	15 00
Jan. 6	C. Cramer.....	5132.....	20-D.....	20 00
Jan. 6	Joseph Pixner.....	2385.....	14.....	25 00
Jan. 6	William Mansfield.....	2358.....	14.....	15 00
Jan. 7	Fred Jones.....	3090.....	" B ".....	10 00
Jan. 7	Mrs. Alice Flanigan.....	3090.....	" B ".....	35 00
Jan. 9	George B. Freleigh.....	472-903.....	25.....	20 00
Jan. 9	Earl Braman.....	2168.....	14.....	25 00
Jan. 11	W. W. Patterson.....	2948-2950.....	77.....	50 00
Jan. 14	L. C. Waite.....	2951-2952.....	1.....	15 00
Jan. 15	Fred Linendoll.....	2953-2954.....	25.....	25 00
Jan. 18	Elmer E. Walker.....	3230.....	1.....	25 00
Jan. 18	Jacob Hartman.....	1080-4051.....	68.....	5 00
Jan. 18	Ernest Frieling.....	4052.....	77.....	5 00
Jan. 22	Mrs. Mary Reinhart.....	3039.....	19.....	20 00
Jan. 22	Timothy D'Archangelis.....	1426.....	20-B.....	8 00
Jan. 24	James Hayes.....	4838.....	20-B.....	25 00
Jan. 30	Bernard Hart.....	4512.....	14.....	8 00
Feb. 1	Newell E. Morse.....	2218.....	27.....	30 00
Feb. 5	Fred Overocker.....	486.....	15.....	35 00
Feb. 11	John E. Murtaugh.....	344-603.....	71-A.....	15 00
Feb. 11	Gustave L. Markendorf.....	4422.....	30.....	40 00
Feb. 11	John Guerin.....	1797.....	77.....	40 00
Feb. 11	Charles A. Martin.....	3032-3076.....	25.....	5 00
Feb. 15	Orin A. Reed.....	3078-3479.....	71-A.....	10 00
Feb. 18	Thomas Marrow.....	3478-3476.....	71.....	30 00
Feb. 26	V. R. Fuller.....	451-454.....	71-A.....	40 00
Feb. 26	H. E. Fisk.....	1063-1094.....	39.....	35 00
Feb. 27	S. S. Galloway.....	4594.....	20-B.....	90 00
Feb. 27	George Lasher.....	655.....	14.....	50 00
Feb. 27	Frank Doran.....	3119-3179.....	25.....	15 00
March 7	Henry S. Green.....	2355-2356.....	70.....	15 00
March 7	P. Cronquist.....	481.....	27.....	5 00
March 7	H. T. Dodge.....	2176.....	30.....	100 00
March 7	Uriah Goodbred.....	501.....	18-A.....	25 00
March 13	Mahler Brodie.....	2101-2240-2249.....	20-A.....	5 00
March 13	Frank H. Ives.....	4758-4786-4807.....	27-A.....	25 00
March 13	A. F. Ripley.....	4808.....	14.....	35 00
March 13	Theodore Zornow.....	1653-1654-1655.....	43.....	25 00
March 13	Dan. Carwell.....	504.....	23.....	10 00
March 13	Martin Patten.....	112-113-181.....	8.....	15 00
March 13	Wm. S. and Frederick Dibble.....	132-133.....	25.....	10 00
March 13	Edwin Menealey.....	480.....	25.....	10 00
March 13	Patrick B. Daley.....	476.....	25.....	60 00
March 22	Henry Lawrence.....	456-460.....	27.....	60 00
March 22	James T. Devine.....	483.....	30.....	5 00

APPENDIX "B" — (Continued)

Date of permit	NAME	Parcel	Contract	Amount
1918				
March 22	Frank Reynolds.....	436-438.....	25.....	\$10 00
April 5	George Munnings.....	2205.....	21.....	10 00
April 5	John G. Jones.....	2203-2224-A.....	21.....	50 00
April 5	Mrs. Geneva Chaffee.....	147.....	1.....	} 10 00
April 5	Willard L. Van Vechten.....	112-116-116½-117.....	3.....	
April 5	C. L. Smarup.....	4222.....	71-A.....	35 00
April 5	J. H. Corcadden.....	4737.....	20-D.....	} 25 00
April 5	J. Nonkin.....	288.....	8.....	
April 5	A. J. Spoor.....	2550.....	73.....	25 00
April 5	Tony Donato.....	2181-2185.....	14.....	25 00
April 11	John C. Murtaugh.....	91-108.....	5.....	50 00
April 11	Joseph Fabio.....	3949.....	30.....	10 00
April 11	Montasuma Farms, Inc.....	1799-1802.....	30.....	25 00
April 11	Mrs. Sarah Davison.....	1078.....	68.....	5 00
April 11	Mrs. Carrie I. Oliver.....	828-896.....	9.....	15 00
April 18	Albert Frits.....	458-461-464-465.....	25.....	16 00
April 18	George W. Herath.....	2079.....	14.....	15 00
April 18	O. J. Train.....	1427-1428.....	19.....	15 00
April 18	Mrs. Waldo G. Morse.....	1429-3562.....	8*.....	3 00
April 24	George Lavigne.....	T-25.....	27.....	5 00
April 24	William H. Smith.....	498.....	} "B".....	25 00
April 24	Carmine Peruzzi.....	3174-3558.....		
		3559-4085.....		
May 12	George Van Vleck.....	4086-4223.....	14.....	75 00
May 12	Harry Van Vleck.....	2269-2362.....	14.....	60 00
May 12	W. H. Wareup.....	2271.....	20-B.....	10 00
May 12	Pepper Brothers.....	2639.....	} 55.....	332 00
May 12	C. O. Eddy.....	1158-1115.....		
May 12	J. O. Wareup.....	1132-A-1007.....		
May 12	W. H. Pillmore.....	994-1913-1918.....		
May 12	George B. Olney.....	1003-1113.....		
May 12	Mrs. Lucy E. Hurlbut.....	1127-1008.....	} 55.....	445 50
May 12	N. F. Van Vranken.....	1916-1926-1930.....		
May 12	E. W. Parmlee.....	1928.....	55.....	10 00
May 12	Isaiah Suits.....	4527.....	20-D.....	10 00
May 12	George A. Rioux.....	1886-1120-1877.....	55.....	27 00
May 12	S. H. Donaldson.....	1932.....	55.....	42 00
May 12	L. O. Wittfeldt.....	122.....	55.....	100 00
May 12	Michael King.....	123.....	55.....	50 00
May 12	Jerry Crowley.....	1056-A.....	55.....	10 00
May 12	James G. Knox.....	Mrs. Lucy E. Hurlbut.....	14.....	20 00
May 12	Roland Hall.....	N. F. Van Vranken.....	55.....	40 00
May 12	G. T. Whitman.....	1933.....	20-D.....	6 00
May 12	J. F. Dickenson.....	3502.....	14.....	25 00
May 12	F. N. Smith.....	2112-2209-2212.....	27.....	5 00
May 12	E. S. Lamberson.....	503.....	20-D.....	5 00
May 12	Vincenzo Massi.....	4080-4061.....	} 63.....	50 00
May 12	E. S. Kendall.....	3090-A-1437-1454-A.....		
May 12	Robert S. Collins.....	2406-2407-2408.....		
May 12	Hugh Dunlop.....	2409-2457-2785.....		
June 2	William Brady.....	2786.....	25.....	15 00
June 18	Frank T. Pearce.....	466.....	27.....	10 00
June 18	Charles Orop.....	512.....	14.....	50 00
June 19	Louis L. Fellow*.....	4022.....	20-C.....	15 00
June 19	Daniel Forsay.....	495.....	27.....	5 00
June 19	A. Fellows.....	2341.....	21.....	10 00
		3480-3481-3676.....	30.....	65 00
		4111-4112.....	20-B.....	10 00
		87-93-94.....	5.....	30 00
		2934.....	77.....	4 00
		T-80.....	36*.....	5 00
		498.....	27.....	5 00
		2253-2359.....	14.....	75 60
		1936-1937.....	14.....	25 00
		2360.....	14.....	25 00
		2947.....	77.....	5 00
		2365.....	14.....	25 00

* Terminal.

APPENDIX "B" — (Concluded)

Date of permit	NAME	Parcel	Contract	Amount
1918				
June 24	Mrs. Alice Denel.....	494-495.....	27.....	15 00
July 14	James Longshore.....	{ 643.....	14.....	} 18 00
July 14	Warren Collins.....	{ 4026.....	20-D.....	
August 2	A. H. Snyder.....	410-412.....	25.....	15 00
August 20	A. L. Van Hattan.....	515.....	26.....	15 00
Sept. 5	Enos Salter.....	1716.....	42.....	10 00
Sept. 10	Joseph Haber.....	2720.....	63.....	10 00
Nov. 1	Chester W. Conant.....	3715.....	23.....	7 50
Sept. 5	Thomas R. Crane, assistant superintendent, from various people for use of land at Tribes Hill.....	2502.....	43.....	49 00
				20 00

Received for rental of lands for farming purposes during the season of 1920:

Date of permit	NAME	Parcel	Contract	Amount
Oct. 10	J. S. Countryman.....	2711-3582.....	20-C.....	\$18 00
Oct. 16	Charles H. Schlotschauer.....	2682-3099.....	20-C.....	35 00
Nov. 5	H. D. Prinett.....	2355-2366.....	14.....	50 00
Nov. 5	William DeJohn.....	{ 3710-3690.....	76.....	} 25 00
Nov. 11	Frank Wilcox.....	{ 3419-3032.....	77.....	
Nov. 18	H. B. Richardson.....	4509.....	20-D.....	05 00
Nov. 21	Lawrence G. Knowles.....	2501-2495.....	43.....	40 00
Nov. 25	Charles Whitmyer.....	329-331.....	15.....	25 00
Nov. 28	Mary E. McDonnell and brother.....	1668.....	14.....	42 00
		2147.....	71-A.....	12 50

Received for rental of lands for farming purposes during the season of 1919:

Date of permit	NAME	Description of land	Amount
April 5	Charles F. Lembke.....	East of lock 54, old Erie canal.....	\$15 00
May 12	Fred B. Bastian.....	In town of Metz, old Erie canal.....	20 00
May 15	A. H. Landt.....	Near bridge 9, Lock Berlin, old Erie canal.....	15 00
May 20	Seeley Parto.....	Near bridge 99, east of Newport, old Erie canal.....	10 00
June 2	A. G. Van Wie.....	At Stone Ridge, old Erie canal.....	3 00
June 23	Jacob Cleason.....	At Palmyra, old Erie canal.....	10 00
July 17	James E. Morrissey.....	Near Clyde, old Erie canal.....	20 00
August 20	Frank DiJohn.....	At Lyons, old Erie canal.....	5 00
August 30	Herbert Garrett.....	Between bridges 7 and 8, near Clyde...	15 00
			\$3,979 50

APPEDIX "C"

Received for rentals other than for farming purposes.

Beechnut Packing Co., for privilege of constructing and maintaining building at Canajoharie and a retaining wall across the Erie canal at Bowman creek, as per permit dated December 5, 1916. Annual rental.....	\$75 00
P. McGovern & Co., rental of premises within lands appropriated for Barge Canal terminals at Long Island City, from December 1, 1918, to April 1, 1919.....	800 00
Wm. R. Loudon for rental of building on parcel 5147 of Contract "C," from December 12, 1918, to December 12, 1919..	120 00
Timothy Cronin, for rental of house at Baldwinsville from December 1, 1918, to December 1, 1919.....	96 00
Roy Waldron, for rental of house at Baldwinsville from November 1, 1918, to January 1, 1919.....	16 00
Charles J. Servoss, for rental of lands between Barge and old Erie canals just east of highway to Macedon and on west side of road east of Macedon lock, as per permit dated May 27, 1915. Annual rental.....	10 00
Clonin & Messenger, for rental of premises within lands appropriated for Barge Canal terminals at Long Island City from November 1, 1918, to July 1, 1919.....	1,280 00
David Seaton, for privilege of maintaining a lunch wagon on State land at Rome, as per permit dated December 13, 1917. Annual rental	25 00
Fulton Light, Heat & Power Co., for use of surplus waters at Fulton at \$25 per kilowatt year from September 1, 1918, to November 1, 1919 (see Canal Board proceedings of November 19, 1918)	2,238 13
Wm. Baker, rental of premises within lands appropriated for Barge Canal terminals at Gowanus Bay, from January 1, 1918, to January 1, 1920.....	100 00
D. Gotti, for use of land in bed of old Erie canal east of bridge No. 111, Canajoharie, as per permit dated February 7, 1919. Annual rental	20 00
Commissioners of the Sinking Fund of the city of New York, in payment of one-half of the amount of wharfage fees collected for use of piers 5 and 6, East river, from July 1, 1918, to April 1, 1919, less 25% of salary of the city dockmaster, as per agreement of August 16, 1916.....	2,062 39
Daniel Norton, rental of land at Crescent, 1918 and 1919....	200 00
Lockport & Newfane Mill Owners Association, in payment for water to be furnished between the dates of January 6, 1919, and January 6, 1920	\$7,500 00
Less water the State was unable to furnish between the dates of July 6, 1918, and July 6, 1919	2,512 64
	<hr/> 4,987 36

Remington Arms and Ammunition Co., for privilege of constructing and temporarily maintaining building on berme side of Erie canal between bridges 153 and 154 at Ilion, as per permit dated February 16, 1915. Annual rental.....	\$200 00
Beechnut Packing Co., for privilege of constructing and temporarily maintaining building at Canajoharie, as per permit dated March 27, 1916. Annual rental.....	50 00
C. H. Young, for privilege of constructing and temporarily maintaining building at Minetto and for use of land, as per permit dated February 11, 1915. Annual rental.....	25 00
Caroline Rooney, for rental of land at North Tonawanda, as per permit dated April 13, 1916. Annual rental.....	25 00
H. P. Hamlin, for use of land in vicinity of Railroad street bridge, Ilion, and privilege of constructing and temporarily maintaining building thereon, as per permit dated May 5, 1915. Rental to May 5, 1920.....	90 00
West Virginia Pulp & Paper Co., for privilege of filling in and using a portion of the old Champlain Canal lands at Mechanicville, as per permit dated August 4, 1916. Rental, 1918 and 1919.....	600 00
F. M. Johnson, for privilege of installing and maintaining gasoline pump and tank on State land at Mohawk, as per permit dated June 10, 1918. Annual rental.....	5 00
Jack Lynn Stock Co., for temporary use of canal land at Canajoharie	5 00
F. W. Wooley, for use of land and privilege of temporarily maintaining building thereon at Ilion, as per permit dated May 25, 1915. Annual rental.....	50 00
David I. Snell, for privilege of installing and maintaining platform scale on berme bank of old Erie canal east of Canajoharie, as per permit dated June 19, 1919. Annual rental	5 00
Warren Brothers Co., for use of land at Rome, embraced in parcel 2422 of Contract No. 43, as site for paving plant, as per permit dated June 27, 1919. Annual rental.....	100 00
Utica Steam Engine & Boiler Works, for privilege of maintaining side track on berme side of Erie canal at Utica, as per permit dated August 27, 1912. Annual rental.....	12 00
E. D. Emerson, rental of house at Baldwinsville, July to December 1, 1919.....	37 94
Simonds Manufacturing Co., for use of water from Erie canal at Lockport, as per permit dated July 10, 1919. Annual rental	200 00
Albert Pilkey, for use of land adjacent to lock at Hinmansville, as per permit granted to E. E. Burleigh under date of May 1, 1914. Annual rental.....	10 00
Rome Merchant Iron Mills, for privilege of maintaining side track within lands appropriated for Barge canal purposes at Rome, as per permit dated August 8, 1912. Annual rental	12 00

Atlas Knitting Co., for use of State land at Amsterdam, south of its knitting mills, as per permit dated September 10, 1915. Annual rental.....	\$100 00
Philip J. Welch, for use of buildings for storage purposes on State land in Albany between Montgomery street and Little canal basin, as per permit dated October 7, 1918. Annual rental	25 00
The H. D. Hutcheson Co., for use of land for storage purposes embraced in parcel 2341 of Contract No. 21, as per permit dated November 25, 1919. Annual rental.....	25 00
Marshall-Barrick Co., Inc., for privilege of constructing and temporarily maintaining building on State land in rear of their store on corner of Geneva and Canal streets, Lyons, as per permit dated April 15, 1919. Annual rental.....	25 00
Schenectady Fireworks Co., for use of land along old Erie canal at Aqueduct, as per permit dated April 18, 1919. Annual rental	25 00
Beechnut Packing Co., for privilege of constructing and temporarily maintaining building on old canal lands at Canajoharie and making provisions for water supply, as per permit dated March 19, 1919. Annual rental.....	50 00
	<hr/>
	\$13,706 82
	<hr/>

APPENDIX "D"

Received for Sale of Sand and Gravel

H. C. McDougall, for 100 yds. of material from spoil bank at Pattersonville, as per permit dated January 30, 1919....	\$10 00
Hinckley Fibre Co., in payment for 36 yds. of gravel from spoil bank at Hinckley.....	9 00
Thomas R. Crane, Assistant Superintendent, from:	
John Nordfors, in payment for 100 yds. of gravel from spoil bank at Scotia, as per permit dated May 28, 1919.....	10 00
Felix Nordfors, in payment for 25 yds. of gravel from spoil bank at Scotia	2 50
Southside Coal Co., in payment for 321 yds. of material from spoil bank on site of Contract No. 30, as per permit dated May 14, 1919.....	64 20
Smith Soper, in payment for spoil (872 yds.) removed from parcel 5001, Contract "D," as per permit dated January 22, 1919	87 20
Rome Gas, Electric Light & Power Co., in payment for 140 yds. of gravel from spoil bank at Mill street, Cohoes, as per permit dated July 21, 1919.....	70 00
Warren Brothers Co., in payment for 1594 yds. of material from spoil bank at Rome, as per permit dated July 11, 1919	797 00

Charles McDonough, Assistant Superintendent, from Empire Engineering Co., Inc., in payment for 800 yds. of gravel taken from site of Contract No. 190..... \$400 00

\$1,449 90

APPENDIX "E"

Received from Sales of Materials other than Sand and Gravel

W. S. Hamlin, Assistant Superintendent, from:

Richard Hopkins, in payment for 65 yds. of stone removed from bridges crossing old Champlain canal at Bemis Heights.....	\$16 25	
Mohawk Valley Waste & Metal Co., in payment for old iron from bridge No. 116, Fort Plain..	425 00	
W. A. Jones, in payment for old timber from Aqueduct No. 10 at Canajoharie.....	170 00	
P. Baume, in payment for old iron bridges on Eastern Division	116 46	
P. Baume, in payment for old timber from bridges on Eastern Division.....	8 00	
		<hr/> \$751 96

Thomas R. Crane, Assistant Superintendent, from:

Henry Alderhoff, in payment for old timbers from bridge No. 53.....	\$10 00	
Jacob Smith & Son, in payment for old iron....	19 00	
C. M. Marnes, in payment for old timber from Rouses Point terminal.....	300 00	
Wm. F. Demorest, in payment for bridge No. 104 at Sprakers	150 00	
		<hr/> 479 00

P. J. Cawley, Assistant Superintendent, from:

J. H. McCabe, in payment for two old iron beams	\$35 00	
C. J. Shelansky, in payment for old iron bridges	175 00	
H. Hernveich, in payment for old iron bridge...	100 00	
Abe Cooper, in payment for old iron bridge....	100 00	
		<hr/> 410 00

Jacob Allmeroth, Assistant Superintendent, for sale of oak plank	13 20
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Jacob Allmeroth, Assistant Superintendent, from:

Cleveland & Sons Co., for cement.....	\$173 75
Albert Tickner, in payment for two trees at Chili	10 00
T. Hanlon & Co., in payment for old iron, etc., from South Greece.....	127 36
J. H. McCabe, in payment for old iron from Church and Water street bridges.....	321 64

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T. Hanlon & Co., in payment for scrap iron, etc.	\$182 30	
Monroe Iron & Metal Co., in payment for old iron from Macedon bridge.....	123 00	
Wm. Dreus, in payment for old plumbing fixtures	20 00	
		<hr/>
		\$958 05

Charles McDonough, Assistant Superintendent, from:

M. Korsos, in payment for two old stoves.....	\$30 00	
J. Westbrook, in payment for old bridge timbers	25 00	
Superintendent of Highways, town of Galen, in payment for old bridge planking.....	40 00	
Hiram Falk, in payment for old bridge iron....	396 54	
H. M. Littell, Superintendent of Repairs, in payment for old lumber sold from bridge No. 14..	37 50	
		<hr/>
		529 04
H. W. DeGraff, in payment for runner shaft from dredge....	520 00	
Lehigh Portland Cement Co., cement sacks.....	111 60	
Lupfer & Remick, in payment for concrete blocks.....	73 25	
John O. Burkdorf, in payment for old lock gates east of St. Johnsville	35 00	
Greenfield Construction Co., in payment for stone removed from banks at Utica.....	161 20	
		<hr/>
		\$4,041 05
		<hr/>

APPENDIX "F"

Received for Sale of Buildings

W. S. Hamlin, Assistant Superintendent, from:

F. W. Reynolds, in payment for old watch house from lift bridge No. 110 at Canajoharie.....	\$8 00
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Thomas R. Crane, Assistant Superintendent, from:

Great Eastern Storage, Transfer and Wrecking Co., in payment for old weighlock building at Watervliet	\$100 00	
James Coluni, in payment for old building at Amsterdam	40 00	
		<hr/>
		140 00

Jacob Allmeroth, Assistant Superintendent, from:

Theodore Quandt, in payment for old house at East Brighton	\$30 00	
T. R. Bryant, in payment for old lock house from Lock 60	5 00	
		<hr/>
		35 00

Charles McDonough, Assistant Superintendent, from:

J. W. Hopkins, in payment for three old buildings at Kings Bend.....	\$225 00	
Wm. Korso, in payment for old building at Bushnell's Basin	50 00	
Arthur Ray, in payment for old building at Bushnell's Basin	35 00	
Wm. Dolan, in payment for old building at Bushnell's Basin	10 00	
Charles Voight, in payment for two old buildings at Bushnell's Basin	80 00	
	<hr/>	\$400 00

William S. Knox, in payment for old building known as "McWharf House" on parcel 5117, Contract "C".....	50 00	
Louis T. Hinton, in payment for old building on parcel 5341 on Contract No. 163, Barge canal.....	25 00	
	<hr/>	\$658 00
	<hr/>	

APPENDIX "G"

Miscellaneous Receipts

Thomas R. Crane, Assistant Superintendent, from:

American Railway Express Co., in payment of refund for breakage on globes shipped to Whitehall	\$23 56	
Lanning & Devendorf, for use of crane at Amsterdam, during July	5 50	
	<hr/>	\$29 06

Jacob Allmeroth, Assistant Superintendent, from:

MacArthur Brothers Co. and Yale & Reagan Co., for rental of steam hammer for 62 days between the dates of June 28, 1917, and February 2, 1919.....	155 00	
Atlas Portland Cement Co., for use of derrick, etc., at Troy terminal during the months of June, July, August and October	639 15	
New York Telephone Co., Refund on telephone charges, Barge Canal Contract No. 80. 63-A.....	3 60	
F. W. Gebhard, refund on unearned premium on automobile insurance	23 54	
Sherman-Stalter Co., refund from New York Central Railroad Co., on freight charges in connection with Barge Canal Contract No. 47-A	169 93	
Utica Carting & Storage Co., in payment for storage facilities at Utica terminal during the month of September.....	19 65	

Thomas G. Dorey, harbormaster, from:	
John E. Murray, for use of crane at pier 5, September 8, 1919	\$34 40
Received for sale of maps, etc.	66 50
New York State National Bank, Albany, interest on deposits to credit of Superintendent of Public Works.	64 26
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	\$1,205 09
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APPENDIX "H"

Fees Received for Filing Liens, Mortgages and Making Searches of Canal Boats

Received from John E. Winnie, statistician, being amount paid to him for filing liens and mortgages and making searches of canal boats during the year 1919.	\$19 06
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APPENDIX "I"

Towing Receipts

Received from Thomas J. McNamara, collector of canal statistics, being amount collected by him for towing during the month of November, 1919.	\$3 50
Received from J. Wm. Grady, Canal Traffic Agent, being amounts collected by him for providing tugs for towing during the 1919 season of navigation, 1919:	
May	\$2,229 05
June	6,727 26
July	6,671 17
August	7,934 34
September	7,416 54
October	9,118 68
November	4,217 79
	<hr/>
	44,314 83
	<hr/>
	\$44,318 33
	<hr/>

APPENDIX "J"

Received for Reconveyance of Land

City of Fulton, for land embraced in Maps 583-A and 302-A of Contract No. 10. Deed dated December 20, 1918	\$1,500 00
Eddy Valve Co., for land embraced in Map 1-A of Contract No. 2. Deed dated December 30, 1918	150 00
Jarvis P. O'Brien, for land embraced in Map 489-A of Contract No. 27. Deed dated December 27, 1918	286 25
Ann Weber, for land embraced in Map 4503-A of Contract No. 70-A. Deed dated December 27, 1918	75 00
C. H. Livingston, for land embraced in Map 857-A of Contract No. 12. Deed dated February 13, 1919	200 00
George Henry, for land embraced in Map 457-A of Contract No. 25. Deed dated February 13, 1919	420 00

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Jane E. Ames for land embraced in Map 876-C of Contract No. 9. Deed dated April 3, 1919.....	\$150 00
E. S. Lamberson, for land embraced in Map 3247-A of Contract No. 30. Deed dated May 7, 1919	718 04
A. Eugene Weeks for land embraced in Map 2102-A of Contract No. 20. Deed dated April 24, 1919	145 95
Anna E. St. Denniger and others, for land embraced in Map 279-A of Contract No. 8. Deed dated May 24, 1919	868 30
il. S. Getman for land embraced in Map 3429-A of Contract No. 30. Deed dated June 4, 1919	30 16
Mrs. Elizabeth Harder, for land embraced in Maps 1617-B and 1618-A of Contract No. 30. Deed dated June 20, 1919	142 00
George Henry, for land embraced in parcel 224-A of Contract No. 25. Deed dated August 5, 1919	79 80
T. C. Hammond, for land embraced in Parcel 3559-A of Contract "B." Deed dated September 26, 1919	19 35
T. C. Hammond, for land embraced in Parcel 3149-A of Contract "B." Deed dated September 26, 1919.....	1,212 60
T. C. Hammond, for land embraced in Parcel 4085-A of Contract "B." Deed dated September 26, 1919.....	206 37
T. C. Hammond, for land embraced in Parcel 4085-A of Contract "B." Deed dated September 26, 1919	809 92
T. C. Hammond, for land embraced in Parcel 3558-A of Contract "B." Deed dated September 26, 1919.....	216 63
Orin Cooper, for land embraced in Parcel 4283-A of Contract "B." Deed dated November 3, 1919	168 90
George M. Fisher, for land embraced in Parcel 5139 of Contract "D." Deed dated November 6, 1919	150 00
Wm. R. Massie, for land embraced in Map 2175-C of Contract No. 71. Deed dated November 20, 1919	80 00
Consolidated Light & Power Co., for land embraced in Maps 364-A and 365-C of Contract No. 15. Deed dated December 1, 1919	200 00
Wescott Jewell Co., for land embraced in Map 4638-A of Contract "C." Deed dated December 1, 1919.....	2,000 00
	<hr/>
	\$9,829 27
	<hr/>

APPENDIX "L"

Received for Passenger and Freight Privileges Over Greenbush (Hudson) Bridge:

United Traction Co.,

1919

July	\$1,583 28
August	1,656 20
September	1,706 11
October	1,765 34

\$6,710 93

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Albany Southern Railroad Co.,

1919

July	\$447 46	
August	468 76	
September	390 87	
October	348 44	
		<hr/>
		\$1,655 53
		<hr/>
		\$8,366 46
		<hr/>
		<hr/>

APPENDIX "M"

Received for Wharfage Privileges

Received from harbor masters being amounts collected by them for wharfage privileges at Greenpoint and Gowanus Bay terminals during the season of navigation, 1919	\$4,044 00
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APPENDIX "K"

Fee and Licenses

Received from inspectors of steam vessels, being fees collected for inspection of boats and for issuing of original and renewal of licenses, pursuant to Chapter 42, Laws of 1909:

1918

December	\$3 00
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1919

January	9 00
March	22 00
April	122 00
May	224 00
June	177 00
July	712 00
August	856 00
September	107 50
October	9 00
November	9 00
November (Penalties)	50 00
	<hr/>
	\$2,300 50
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From Wm. Burke for original license	\$5 00
From John A. Rounds for renewal of license	3 00
From C. A. Boeck for renewal of license	3 00
From Patrick Benson for renewal of license	3 00
From Charles H. Smith for renewal of license	3 00
From M. J. Palmer for renewal of license	3 00
From George W. McCabe for renewal of license	3 00
From D. E. Reynolds for renewal of license	3 00

From T. M. Turner for renewal of license.....	\$3 00
From Sylvester Clark for renewal of license.....	3 00
From Peter H. Matt for original license.....	5 00
From Glenn E. Taylor for original license.....	5 00
From Jos. Argnette for renewal of license.....	3 00
From E. W. Town for renewal of license.....	3 00
From Wm. H. Lane for renewal of license.....	3 00
From Wm. H. Lane for renewal of license.....	3 00
From E. H. Lowall for renewal of license.....	3 00
From Clinton Hotchkiss for renewal of license.....	3 00
From W. R. McDonald for renewal of license.....	3 00
From W. P. Harris for original license.....	5 00
From R. A. Hyde for renewal of license.....	3 00
From John Perry for renewal of license.....	3 00
From W. L. Reed for renewal of license.....	3 00
From W. L. Reed for renewal of license.....	3 00
From F. S. Tower for renewal of license.....	3 00
From F. M. Harin for renewal of license.....	3 00
From M. J. Reddy for renewal of license.....	3 00
From P. Duffy for renewal of license.....	3 00
From R. C. Smith for renewal of license.....	3 00
From Jos. Hamilton for renewal of license.....	3 00
From Thomas Murphy for renewal of license.....	3 00
From Geo. W. McKey for renewal of license.....	3 00
From W. H. Stansfield for renewal of license.....	3 00
From H. J. Burns for renewal of license.....	3 00
From George E. Barber for renewal of license.....	3 00
From L. G. Barber for renewal of license.....	3 00
From F. McLaughlin for renewal of license.....	3 00
From C. F. Kingsley for original license.....	5 00
From C. A. Westcott for original license.....	5 00
From R. G. Summers for original license.....	5 00
From O. Powell for original license.....	5 00
From George Frei for renewal of license.....	3 00
From J. E. Doherty for renewal of license.....	3 00
From A. J. Brandt, Jr., for renewal of license.....	3 00
From George E. Osborne for original license.....	5 00
From B. M. Bellows for renewal of license.....	3 00
From Jno. H. McConnell for renewal of license.....	3 00
From Bat Scanlon for renewal of license.....	3 00
From R. J. Waughy for original license.....	5 00
From C. H. Mason for renewal of license.....	3 00
From C. Haynor for renewal of license.....	3 00
From L. A. Wood for renewal of license.....	3 00
From S. T. Graham for renewal of license.....	3 00
From Wm. Young for original license.....	5 00
From Wm. Britton for renewal of license.....	3 00
From John Perry for original license.....	5 00
From W. W. West for renewal of license.....	3 00

From C. F. Heighland for renewal of license.....	\$3 00
From C. J. Smith for renewal of license.....	3 00
From George Mack for renewal of license.....	3 00
From T. A. Ballard for original license.....	5 00
From George Standish for original license.....	5 00
From A. B. Huntley for original license.....	5 00
From E. L. Hildebrandt for renewal of license.....	3 00
From Wm. Dart for renewal of license.....	3 00
From F. L. Cotton for original license.....	5 00
From C. E. Butler for renewal of license.....	3 00
From H. E. Clair for original license.....	5 00
From H. E. Clair for original license.....	5 00
From Henry Sweeney for renewal of license.....	3 00
From Walter Grant for renewal of license.....	3 00
From Lloyd Winslow for renewal of license.....	3 00
From Henry E. Loehfelm for renewal of license.....	3 00
From Frederick B. Holcomb for original license.....	5 00
From Ernest Rexford for original license.....	5 00
From James A. Gribben for renewal of license.....	3 00
From Ennis Cole for renewal of license.....	3 00
From E. J. Wood for original license.....	5 00
From Louis L. Miller for original license.....	5 00
From Henry G. Graff for renewal of license.....	3 00
From L. L. Staats for renewal of license.....	3 00
From H. Hammond for renewal of license.....	3 00
From Ralph A. Shaw for renewal of license.....	3 00
From George A. Granger for original license.....	5 00
From F. C. Banker for renewal of license.....	3 00
From Frank L. Cotton for original license.....	5 00
From Moses Blow for renewal of license.....	3 00
From Joseph H. Harris for renewal of license.....	3 00
From Edward S. Ariel for renewal of license.....	3 00
From Hugh R. Pulver for renewal of license.....	3 00
From Joseph H. Harris for renewal of license.....	3 00
From E. J. Burton for renewal of license.....	3 00
From Lester B. Holland for renewal of license.....	3 00
From Lester B. Holland for renewal of license.....	3 00
From Earl H. Chambers for original license.....	5 00
From F. W. Hamilton for renewal of license.....	3 00
From S. M. Henderson for renewal of license.....	3 00
From Arthur Burton for original license.....	5 00
From O. G. Butterfield for renewal of license.....	3 00
From Duane E. Truesdale for renewal of license.....	3 00
From Aurele F. Brignaisse for renewal of license.....	3 00
From Alanson A. Fisher for renewal of license.....	3 00
From Oliver G. Butterfield for renewal of license.....	3 00
From W. H. Horton for renewal of license.....	3 00
From L. E. Trombly for renewal of license.....	3 00
From George H. Stafford for renewal of license.....	3 00

From John L. Washburn for renewal of license.....	\$3 00
From F. D. Thompson for renewal of license.....	3 00
From E. E. Wilde for renewal of license.....	3 00
From Duane Irish for renewal of license.....	3 00
From Louis H. Davis for renewal of license.....	3 00
From Helen Simpson for renewal of license.....	3 00
From J. B. Simpson for renewal of license.....	3 00
From C. E. Wilson for renewal of license.....	3 00
From C. E. Wilson, Jr., for renewal of license.....	3 00
From P. J. Corpron for renewal of license.....	3 00
From Cecil E. Lamb for renewal of license.....	3 00
From Fred R. Smith for renewal of license.....	3 00
From H. H. Wilson for renewal of license.....	3 00
From James A. C. Manning for original license.....	5 00
From Albert Goodspeed for original license.....	5 00
From Wm. E. Crandall for renewal of license.....	3 00
From Charles J. Weisman for original license.....	5 00
From Jesse Darrah for renewal of license.....	3 00
From Walter McDonald for renewal of license.....	3 00
From Charles H. Stewart for original license.....	5 00
From George W. McCabe for renewal of license.....	3 00
From Jesse E. Sexton for renewal of license.....	3 00
From Fred E. Poole for renewal of license.....	3 00
From George W. Howard for renewal of license.....	3 00
From Harold W. Cook for original license.....	5 00
From David Reid for renewal of license.....	3 00
From Clarence H. Beattie for renewal of license.....	3 00
From P. J. Currier for original license.....	5 00
From Howard Sexton for renewal of license.....	3 00
From Charles H. Boyle for renewal of license.....	3 00
From Wm. Ervin for renewal of license.....	3 00
From Ernest LaFountaine for renewal of license.....	3 00
From Fred Williams for renewal of license.....	3 00
From George LaFountaine for original license.....	5 00
From H. T. Elmers for renewal of license.....	3 00
From Carl C. McCormick for original license.....	5 00
From Earl W. Owen for renewal of license.....	3 00
From Eugene Cote for renewal of license.....	3 00
From Dennis Bump for original license.....	5 00
From Eugene Herbert for renewal of license.....	3 00
From John Miller for renewal of license.....	3 00
From D. A. LaClair for renewal of license.....	3 00
From Patrick Ryan for renewal of license.....	3 00
From D. A. LaClair for renewal of license.....	3 00
From Patrick Ryan for renewal of license.....	3 00
From E. E. Thomas for renewal of license.....	3 00
From Harold W. Thomas for renewal of license.....	3 00
From John Devarney for renewal of license.....	3 00
From George H. Burritt for original license.....	5 00

From William E. LeMoy for original license.....	\$5 00
From Fred Colbath for renewal of license.....	3 00
From John P. Hellwig for renewal of license.....	3 00
From C. A. Westcott for renewal of license.....	3 00
From C. C. Morgan for original license.....	5 00
From Arthur N. Cunningham for original license.....	5 00
From Michael E. Gregory for renewal of license.....	3 00
From A. H. Stevens for renewal of license.....	3 00
From Nelson Babcock for renewal of license.....	3 00
From Floyd Sears for renewal of license.....	3 00
From Phelps Martin for renewal of license.....	3 00
From Thomas H. George for renewal of license.....	3 00
From Edward H. Minor for renewal of license.....	3 00
From Frank W. Otis for renewal of license.....	3 00
From Ralph J. Sprague for original license.....	5 00
From Noyes N. Prosser for original license.....	5 00
From Thomas H. Wood for original license.....	5 00
From E. B. McDevitt for original license.....	5 00
From Raymond J. Traynor for original license.....	5 00
From Eugene H. Freeman for renewal of license.....	3 00
From Fred E. Jarvis for renewal of license.....	3 00
From Daniel E. Flanders for original license.....	5 00
From Joseph Seeley for renewal of license.....	3 00
From Coral E. Bell for original license.....	5 00
From Hugh G. Haling for original license.....	5 00
From J. O. A. Bryers for renewal of license.....	3 00
From Mary A. Goodwin for renewal of license.....	3 00
From James Goodwin for renewal of license.....	3 00
From Fred Trottier for renewal of license.....	3 00
From Alex. A. Turner for renewal of license.....	3 00
From G. A. Kenwell for renewal of license.....	3 00
From C. N. Wood for renewal of license.....	3 00
From Geo. R. Ballard for renewal of license.....	3 00
From M. A. Brush for renewal of license.....	3 00
From J. Marsh Alesbury for renewal of license.....	3 00
From Emory E. Watson for renewal of license.....	3 00
From Leon E. Burnap for renewal of license.....	3 00
From Ellwood Searle for renewal of license.....	3 00
From H. F. Bowman for renewal of license.....	3 00
From Matteson Murdock for original license.....	5 00
From Harrison Linforth for renewal of license.....	3 00
From Eugene A. Cameron for original license.....	5 00
From Harry L. Dabler for original license.....	5 00
From Ed. Blakeslee for original license.....	5 00
From Waynard Parsons for renewal of license.....	3 00
From Clarence W. Luley for original license.....	5 00
From Arthur Bull for renewal of license.....	3 00
From E. B. Barrett for renewal of license.....	3 00
From Francis Rivett for renewal of license.....	3 00

From Daisy M. Justin for original license.....	\$5 00
From John Rivett for renewal of license.....	3 00
From Vernon S. Ervin for renewal of license.....	3 00
From Fred W. Jordan for renewal of license.....	3 00
From Carl O. Dell for renewal of license.....	3 00
From E. E. Fish for renewal of license.....	3 00
From William B. Kerst for renewal of license.....	3 00
From C. L. Stanton for renewal of license.....	3 00
From Floyd C. Brown for original license.....	5 00
From Robert Hanna for renewal of license.....	3 00
From T. C. Haischer for original license.....	5 00
From A. F. Davenport for original license.....	5 00
From E. J. Fowler for renewal of license.....	3 00
From Alex. Burnette for renewal of license.....	3 00
From Robert H. Parker for renewal of license.....	3 00
From W. F. Emerson for renewal of license.....	3 00
From Arthur Rice for renewal of license.....	3 00
From James Joseph for renewal of license.....	3 00
From Harold Plumley for original license.....	5 00
From Roy Ballard for original license.....	5 00
From Thomas J. Carey for renewal of license.....	3 00
From George H. Tinkle for renewal of license.....	3 00
From J. H. Wellington for renewal of license.....	3 00
From Fred E. Brown for renewal of license.....	3 00
From L. M. Wormuth for renewal of license.....	3 00
From M. Greenwood for renewal of license.....	3 00
From F. D. Carlin for renewal of license.....	3 00
From Richard Bennett for renewal of license.....	3 00
From Seymour Covey for renewal of license.....	3 00
From E. L. Marks for renewal of license.....	3 00
From F. A. Clark for renewal of license.....	3 00
From Harold M. Petrie for renewal of license.....	3 00
From Jos. H. Rivett for renewal of license.....	3 00
From Chauncey S. Covey for renewal of license.....	3 00
From O. H. Southwick for renewal of license.....	3 00
From John H. McConnell for renewal of license.....	3 00
From O. J. Bouchard for renewal of license.....	3 00
From Charles A. Kaiser for original license.....	5 00
From Loren A. Allen for original license.....	5 00
From Roy C. Scanlin for renewal of license.....	3 00
From Ed. M. Pendergast for renewal of license.....	3 00
From Geo. B. Aber for renewal of license.....	3 00
From John Olson for renewal of license.....	3 00
From Wilbur Howland for renewal of license.....	3 00
From Geo. A. Shamp for renewal of license.....	3 00
From Fred Howland for renewal of license.....	3 00
From Spencer Howland for renewal of license.....	3 00
From E. J. Latray for original license.....	5 00
From Ivan C. Bancroft for renewal of license.....	3 00

From Adelbert Phelps, Jr., for renewal of license.....	\$3 00
From J. M. Balderson for renewal of license.....	3 00
From Charles W. McCabe for renewal of license.....	3 00
From Clarence A. Stemmer for original license.....	5 00
From Frank Preston for original license.....	5 00
From Karl J. Kelso for original license.....	5 00
From H. E. DeGarmo for renewal of license.....	3 00
From M. R. Tovey for renewal of license.....	3 00
From Walter H. DeGarmo for original license.....	5 00
From John H. Hendershott for original license.....	5 00
From A. Warner Titus for original license.....	5 00
From Henry J. Clark for original license.....	5 00
From S. G. Scubb for renewal of license.....	3 00
From Paul T. Lloyd for original license.....	5 00
From James G. Parker for original license.....	5 00
From John H. VanSchoick for renewal of license.....	3 00
From Felix K. Mattison for original license.....	5 00
From H. J. Sarvis for renewal of license.....	3 00
From Ward Schooley for renewal of license.....	3 00
From August Anderson for renewal of license.....	3 00
From Sanford J. Tillotson for renewal of license.....	3 00
From L. A. Bogle for renewal of license.....	3 00
From Melvin Smith for renewal of license.....	3 00
From Patrick Sheehy for original license.....	5 00
From T. C. Haischer for renewal of license.....	3 00
From Richard McLaughlin for renewal of license.....	3 00
From S. W. Burroughs for renewal of license.....	3 00
From M. Callahan for renewal of license.....	3 00
From Frank Wells for renewal of license.....	3 00
From Robt. O. Bird for renewal of license.....	3 00
From Robert O. Bird for renewal of license.....	3 00
From William White for renewal of license.....	3 00
From Wm. L. Graves for renewal of license.....	3 00
From Eugene W. Cole for renewal of license.....	3 00
From E. H. Emmett for renewal of license.....	3 00
From Elmer Vandervoort for renewal of license.....	3 00
From James T. Sheehan for renewal of license.....	3 00
From Francis Hodge for renewal of license.....	3 00
From W. S. Goodfriend for renewal of license.....	3 00
From M. H. Hubbard for renewal of license.....	3 00
From M. J. McDonald for original license.....	5 00
From M. J. McDonald for original license.....	5 00
For inspection of boat "Iroquois"	5 00
For inspection of boat "Eastern Star"	10 00
For inspection of boat "Mary Anna"	10 00
For inspection of boat "Agnes"	10 00
For inspection of boat "Portadora"	7 50
For inspection of boat "Henry J."	5 00
For inspection of boat "Nerious"	5 00

For inspection of boat "Thorobred"	\$5 00
For inspection of boat "City of Auburn"	12 50
For inspection of boat "Cuba"	5 00
For inspection of boat "Jud"	5 00
For inspection of boat "Clio"	7 50
For inspection of boat "Spray"	5 00
For inspection of boat "Lotus"	7 50
For inspection of boat "Transport"	5 00
For inspection of boat "Horicon"	25 00
For inspection of boat "Sagamore"	25 00
For inspection of boat "Mohican"	25 00
For inspection of boat "Elizabeth"	10 00
For inspection of boat "Mohican"	12 50
For inspection of boat "Deerslayer"	10 00
For inspection of boat "Polly"	5 00
For inspection of boat "Kohanze"	5 00
For inspection of boat "Wa-Ta-Wah"	5 00
For inspection of boat "Hilda"	5 00
For inspection of boat "Gladys L."	5 00
For inspection of boat "Skiddo"	5 00
For inspection of boat "Arrow"	5 00
For inspection of boat "Gypsy"	5 00
For inspection of boat "Oriana"	10 00
For inspection of boat "Jeff"	5 00
For inspection of boat "Fleta"	5 00
For inspection of boat "Rose"	7 50
For inspection of boat "Raven"	5 00
For inspection of boat "Miami"	5 00
For inspection of boat "Wahneta"	5 00
For inspection of boat "Evelyn"	5 00
For inspection of boat "Evelyn"	5 00
For inspection of boat "Bob I"	5 00
For inspection of boat "Pidget"	5 00
For inspection of boat "F. P. Camp"	5 00
For inspection of boat "Firefly"	5 00
For inspection of boat "Lark"	5 00
For inspection of boat "Peggy"	5 00
For inspection of boat "Balsam"	5 00
For inspection of boat "Nellie"	5 00
For inspection of boat "Claire"	5 00
For inspection of boat "Marion"	5 00
For inspection of boat "Hunter's Rest"	5 00
For inspection of boat "Alma"	5 00
For inspection of boat "Cohasset"	5 00
For inspection of boat "Alaska"	5 00
For inspection of boat "Osprey"	10 00
For inspection of boat "Mayflower"	5 00
For inspection of boat "Moose"	5 00
For inspection of boat "Ella"	5 00
For inspection of boat "Ugo-Igo"	5 00

For inspection of boat "M. K. B."	\$5 00
For inspection of boat "Arrow"	5 00
For inspection of boat "Emmy Lou"	5 00
For inspection of boat "Mack"	5 00
For inspection of boat "LaBelle"	5 00
For inspection of boat "Gull"	5 00
For inspection of boat "The Wood"	5 00
For inspection of boat "Attaboy"	5 00
For inspection of boat "Ilion"	5 00
For inspection of boat "Petrel"	5 00
For inspection of boat "Rambler"	5 00
For inspection of boat "Silverton"	5 00
For inspection of boat "Geraldine II"	5 00
For inspection of boat "Eagle"	5 00
For inspection of boat "Ethel"	5 00
For inspection of boat "Minnow"	5 00
For inspection of boat "Mayflower"	5 00
For inspection of boat "Uncas"	10 00
For inspection of boat "Old Forge"	7 50
For inspection of boat "Irocosia"	7 50
For inspection of boat "Florence"	5 00
For inspection of boat "Sis"	5 00
For inspection of boat "Robin"	5 00
For inspection of boat "Raffles"	5 00
For inspection of boat "B. M. L."	5 00
For inspection of boat "I. M. C."	5 00
For inspection of boat "Gray Dawn"	5 00
For inspection of boat "Scout"	5 00
For inspection of boat "Zenda"	5 00
For inspection of boat "Willowemock"	5 00
For inspection of boat "Pandora"	5 00
For inspection of boat "Pocahontas"	5 00
For inspection of boat "Emma J."	5 00
For inspection of boat "Antlers"	5 00
For inspection of boat "Onalinda"	7 50
For inspection of boat "Jollier"	5 00
For inspection of boat "Idler"	5 00
For inspection of boat "Idler II"	7 50
For inspection of boat "Margaret"	5 00
For inspection of boat "Alamo II"	5 00
For inspection of boat "Sea Gull"	5 00
For inspection of boat "H. L. C."	5 00
For inspection of boat "Gareta"	5 00
For inspection of boat "Queen"	5 00
For inspection of boat "Linda"	5 00
For inspection of boat "Minnomah"	5 00
For inspection of boat "Manona"	5 00
For inspection of boat "Janet"	5 00
For inspection of boat "Alert"	5 00
For inspection of boat "Idle Hour"	5 00

For inspection of boat "Rest Awhile"	\$5 00
For inspection of boat "Josephine"	5 00
For inspection of boat "Winslow"	5 00
For inspection of boat "H. G."	5 00
For inspection of boat "Eleanor"	5 00
For inspection of boat "Rumor"	5 00
For inspection of boat "Mary Louise"	5 00
For inspection of boat "Getaway"	5 00
For inspection of boat "Marjorie"	5 00
For inspection of boat "Ruth"	5 00
For inspection of boat "Bob"	5 00
For inspection of boat "Iroquois"	10 00
For inspection of boat "The Mountaineer"	12 50
For inspection of boat "Hernon"	7 50
For inspection of boat "Blue Bird"	5 00
For inspection of boat "Onaway"	5 00
For inspection of boat "Scioto"	10 00
For inspection of boat "Altha"	5 00
For inspection of boat "Suits-me-2"	5 00
For inspection of boat "Glen Lake"	5 00
For inspection of boat "Resolute"	5 00
For inspection of boat "Francis"	5 00
For inspection of boat "Bob"	5 00
For inspection of boat "Idler"	7 50
For inspection of boat "Kathleen"	5 00
For inspection of boat "Graphite"	10 00
For inspection of boat "Locust"	10 00
For inspection of boat "J. M. C."	10 00
For inspection of boat "Ella"	5 00
For inspection of boat "Beth"	5 00
For inspection of boat "Gypsy"	5 00
For inspection of boat "Shirley"	5 00
For inspection of boat "Cecelia"	5 00
For inspection of boat "Oneita"	7 50
For inspection of boat "Emily"	5 00
For inspection of boat "Helen"	5 00
For inspection of boat "Flide"	5 00
For inspection of boat "Uncas"	5 00
For inspection of boat "Rambler"	5 00
For inspection of boat "Driftwood"	5 00
For inspection of boat "Passaic"	5 00
For inspection of boat "Comanche"	5 00
For inspection of boat "Glenmore"	5 00
For inspection of boat "Spray"	5 00
For inspection of boat "Lake View"	5 00
For inspection of boat "Comet"	5 00
For inspection of boat "Pearl"	5 00
For inspection of boat "Olive"	5 00

For inspection of boat "Edith"	\$5 00
For inspection of boat "Lina"	5 00
For inspection of boat "Echo"	5 00
For inspection of boat "Loon"	10 00
For inspection of boat "Pollyanna"	10 00
For inspection of boat "Atalanta"	7 50
For inspection of boat "Saranac"	10 00
For inspection of boat "Nemo"	5 00
For inspection of boat "Say When"	5 00
For inspection of boat "Arbutus"	5 00
For inspection of boat "Amperсанд"	7 50
For inspection of boat "Safety First"	5 00
For inspection of boat "Comanche"	5 00
For inspection of boat "Nestor III"	5 00
For inspection of boat "Teal III"	5 00
For inspection of boat "Thistle"	5 00
For inspection of boat "Bulldog"	5 00
For inspection of boat "Doris"	12 50
For inspection of boat "Morningside"	7 50
For inspection of boat "Cynthia"	5 00
For inspection of boat "Lakeside"	5 00
For inspection of boat "Nixie"	5 00
For inspection of boat "Russia"	6 00
For inspection of boat "Don Quixote"	5 00
For inspection of boat "Borneo"	5 00
For inspection of boat "Italia"	5 00
For inspection of boat "Iroquois"	5 00
For inspection of boat "Lozier"	5 00
For inspection of boat "Osceola"	5 00
For inspection of boat "Adirondack"	5 00
For inspection of boat "Tuscarora"	12 50
For inspection of boat "Oneonta"	7 50
For inspection of boat "Adirondack"	12 50
For inspection of boat "Sagamore"	7 50
For inspection of boat "Killoquah"	10 00
For inspection of boat "Clearwater"	12 50
For inspection of boat "Nehanse"	12 50
For inspection of boat "Mohegan"	7 50
For inspection of boat "Myra"	5 00
Fine imposed on Adam F. Davenport for violation of Navigation Law	25 00
Fine imposed on George Harvey for violation of Navigation Law	25 00

 \$2,300 50

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Statement of proposals received and contracts awarded by the Superintendent of Public Works during the year 1919, pursuant to chapter 147, Laws of 1903, and amendments thereto, known as "Barge Canal Act."

Contract No. 191:

Empire Engineering Co., Inc., New York city.....	\$176,170 00
C. W. Denniston, Rochester, N. Y.....	188,300 00
American Pipe & Construction Co., Philadelphia, Pa.....	192,900 00
E. Brown Baker, Herkimer, N. Y.....	193,275 00

Awarded to Empire Engineering Co., Inc.

Contract No. 192:

Brown & Lowe Co., Schenectady, N. Y.....	\$428,860 00
MacArthur Brothers Co., New York city.....	439,370 50
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	441,236 50
James F. Leary Construction Co., Rochester, N. Y.....	452,863 55
Patrick McGovern, New York city.....	478,991 10

Awarded to Brown & Lowe Co.

Contract No. 197:

J. W. Holler, Fort Edward, N. Y.....	\$27,780 00
Stewart Brothers, Schenectady, N. Y.....	28,340 00
American Pipe & Construction Co., Philadelphia, Pa.....	36,305 00
Troy Public Works Co., Utica, N. Y.....	37,731 00

Awarded to J. W. Holler.

Contract No. 200:

Lupfer & Remick, Buffalo, N. Y.....	\$180,248 50
Walsh Construction Co., Davenport, Iowa.....	183,735 00
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	191,907 00
Empire Engineering Co., Inc., New York city.....	192,215 20
W. F. Martens, Rochester, N. Y.....	192,766 50
Troy Public Works Co., Utica, N. Y.....	193,960 30
Jos. W. Dawson & Robert Provo, Syracuse, N. Y.....	195,887 50
Mohawk Dredge & Dock Co., Herkimer, N. Y.....	202,514 50
The Foundation Co., New York city.....	205,976 10
J. W. Holler, Fort Edward, N. Y.....	219,449 90
The Sperry Engineering Co., New Haven, Conn.....	225,891 50
P. H. Murray, Rochester, N. Y.....	229,110 10
Scott Brothers, Rome, N. Y.....	235,437 00

Awarded to Lupfer & Remick.

Contract No. 201:

I. M. Ludington's Sons, Inc., Rochester, N. Y.....	\$42,824 75
Michael H. Ripton, Rochester, N. Y.....	45,446 25
American Pipe & Construction Co., Philadelphia, Pa.....	49,500 75
E. W. Foley Construction Corporation, New York.....	49,785 75
Cleveland & Sons Co., Brockport, N. Y.....	53,255 25
Rosoff Engineering Co., New York city.....	55,405 25

Awarded to I. M. Ludington's Sons, Inc.

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Contract No. 190:

Empire Engineering Co., Inc., New York city.....	\$245,191 00
J. W. Holler, Fort Edward, N. Y.....	246,550 45
American Pipe & Construction Co., Philadelphia, Pa.....	250,154 00
Mohawk Dredge & Dock Co., Herkimer, N. Y.....	281,132 50
Scott Brothers, Rome, N. Y.....	293,246 70
Dunbar & Sullivan Dredging Co., Waterford, N. Y.....	294,462 50
Awarded to Empire Engineering Co., Inc.	

Contract No. 144-A:

Brown & Lowe Co. and Law Brothers, Schenectady, N. Y.....	\$69,286 30
Awarded to Brown & Lowe Co. and Law Brothers.	

Contract No. 194:

W. F. Martens, Rochester, N. Y.....	\$15,230 00
Dunbar & Sullivan Dredging Co., Waterford, N. Y.....	29,980 00
No award.	

Contract No. 198:

Lupfer & Remick, Buffalo, N. Y.....	\$44,104 70
Scott Brothers, Rome, N. Y.....	44,989 20
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	45,787 70
W. F. Martens, Rochester, N. Y.....	46,979 15
Walsh Construction Co., Davenport, Iowa.....	48,548 80
Mohawk Dredge & Dock Co., Herkimer, N. Y.....	52,906 10
American Pipe & Construction Co., Philadelphia, Pa.....	54,305 85
Brown & Lowe Co. and Law Brothers, Schenectady, N. Y.....	55,937 10
Awarded to Lupfer & Remick.	

Contract No. 152:

Lupfer & Remick, Buffalo, N. Y.....	\$126,846 50
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	168,839 00
Empire Engineering Co., Inc., New York city.....	179,015 70
Brown & Lowe Co. and Law Brothers, Schenectady, N. Y.....	194,728 90
Awarded to Lupfer & Remick.	

Contract No. 189:

Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	\$30,260 00
W. F. Martens, Rochester, N. Y.....	40,460 00
I. M. Ludington's Sons, Inc., Rochester, N. Y.....	42,500 00
Holler-La Du Corporation, Albany, N. Y.....	51,850 00
Awarded to Lathrop, Shea & Henwood Co.	

Contract No. 202:

American Pipe & Construction Co., Philadelphia, Pa.....	\$356,148 50
MacArthur Brothers Company, New York city.....	464,760 00
No award.	

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Statement of proposals received and contracts awarded by the Superintendent of Public Works during the year 1919, pursuant to chapter 746, Laws of 1911, known as "Barge Canal Terminal Act."

Contract No. 102:

Edward F. Terry Manufacturing Co., New York city.....	\$41,081 00
Lord Electric Co., New York city.....	49,765 00
Morrison & Davis, Salem, Mass.....	52,092 00
The Wellman, Seaver, Morgan Co., Cleveland, Ohio.....	55,758 52
Heyl & Patterson, Inc., Pittsburgh, Pa.....	68,430 75

Awarded to Edward F. Terry Manufacturing Co.

Contract No. 57:

Charles Kiehm, Utica, N. Y.....	\$120,597 61
Lupfer & Remick, Buffalo, N. Y.....	123,961 75
I. M. Ludington's Sons, Inc., Rochester, N. Y.....	128,067 10
Fred H. Rapp, Rochester, N. Y.....	130,444 45
A. Friederick & Sons Co., Rochester, N. Y.....	130,650 85
The Sperry Engineering Co., New Haven, Conn.....	136,012 81
Peckham Construction Co., Inc., Buffalo, N. Y.....	137,842 01
Whitmore, Rauber & Vicinus, Inc., Rochester, N. Y.....	142,813 60
Troy Public Works Co., Utica, N. Y.....	143,067 41
Empire Engineering Co., Inc., New York city.....	184,589 85

Awarded to Charles Kiehm.

Contract No. 69:

Richard C. Bush, Tonawanda, N. Y.....	\$5,886 00
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	6,696 00
Geo. Park's Sons Co., Inc., Buffalo, N. Y.....	7,400 00
Empire Engineering Co., Inc., New York city.....	8,478 00
Rosoff Engineering Co., Fulton, N. Y.....	9,860 00

Awarded to Richard C. Bush.

Contract No. 107:

J. Livingston & Co., Inc., New York city.....	\$28,238 59
G. E. Engineering Co., Inc., New York city.....	29,263 63
Lupfer & Remick, Buffalo, N. Y.....	29,591 60
McCarthy Brothers and Ford, Buffalo, N. Y.....	29,827 40
Mack & Mack, New York city.....	29,930 38
Lord Electric Co., New York city.....	29,940 00
Jandous Electric Equipment Co., Inc., New York city.....	30,831 50
Bison Electric Co., Inc., Buffalo, N. Y.....	33,163 35
Volker Brothers, Inc., Buffalo, N. Y.....	33,785 30

Awarded to J. Livingston & Co., Inc.

Contract No. 223:

Post & McCord, New York city.....	\$75,718 94
Harris Structural Steel Co., Inc., New York city.....	76,998 35

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The Carleton Co., Inc., New York city.....	79,919 64
The Snare & Triest Co., New York city.....	81,254 00
Parlour Realty Co., Long Island City, N. Y.....	82,382 93
Rangeley Construction Co., New York city.....	83,044 18
Donnell-Zane Co., Inc., New York city.....	83,729 94
I. J. Stander & Co., Inc., New York city.....	84,082 60
A. E. Norton, Inc., New York city.....	84,501 90
Hamilton & Chambers, Inc., New York city.....	86,014 48
Nugent Construction Corporation, New York city.....	86,577 48
The Austin Company, New York city.....	86,855 05
C. P. Boland Co., Troy, N. Y.....	88,662 64
G. E. Tilt Company, New York city.....	88,671 92
Thomas Dwyer, New York city.....	90,162 64
Bigelow & Nichols, New York city.....	91,422 55
Diamond & Lundin, Brooklyn, N. Y.....	94,704 80
Kelly & Kelly, Inc., Long Island City, N. Y.....	95,437 50
G. E. Denniston, Rochester, N. Y.....	95,816 44
Faillace Brothers, New York city.....	97,977 50
Henry E. Fox Construction Co., New York city.....	98,175 45
Rosoff Engineering Co., New York city.....	109,584 10

Awarded to Post & McCord.

Contract No. 70:

George W. Chambers, Rochester, N. Y.....	\$4,267 00
William T. Jackling, Rochester, N. Y.....	3,680 00
Great Eastern Storage, Transfer & Wrecking Corporation, Troy, N. Y.....	3,050 00
J. W. Freeman, Rochester, N. Y.....	2,500 00
Stephen H. Walters, Rochester, N. Y.....	1,960 00
W. F. Martens, Rochester, N. Y.....	1,899 00
John A. Weider, Rochester, N. Y.....	1,800 00
Jesse J. Crouch, Rochester, N. Y.....	1,055 00
Christiano Brothers, Rochester, N. Y.....	800 00

Awarded to George W. Chambers.

Contract No. 226:

J. A. Laporte, Albany, N. Y.....	\$5,199 00
Wm. A. Dawson, Cohoes, N. Y.....	5,496 50
Wm. F. Martens, Rochester, N. Y.....	5,690 00
James P. Coughlin, Oswego, N. Y.....	5,731 58
Peter Roby Construction Co., Oswego, N. Y.....	5,885 50
George W. Hackett, Fulton, N. Y.....	5,965 00
Stephen A. Scullen, Cohoes, N. Y.....	6,475 00
Frank T. Rattigan, Oswego, N. Y.....	5,628 58

Awarded to J. A. Laporte.

Contract No. 227:

J. A. Laporte, Albany, N. Y.....	\$9,189 00
Wm. A. Dawson, Cohoes, N. Y.....	9,678 00

R. Diamond, Brooklyn, N. Y.....	11,126 00
M. D. Lundin, New York city.....	11,167 30
J. Stander & Co., Inc., New York city.....	11,572 00
C. L. Dooley, Inc., Brooklyn, N. Y.....	12,838 25
Riverside Contracting Co., New York city.....	13,815 00

Awarded to J. A. Laporte.

Contract No. 44-P:

The Asphalt Construction Co., New York city.....	\$81,360 00
Michael J. O'Hara, Brooklyn, N. Y.....	83,340 00
Continental Contracting Co., New York city.....	84,328 25
Leonard Paving Co., New York city.....	85,893 75
Leo E. Kelly, Brooklyn, N. Y.....	86,068 75
Frank J. Gallagher, Brooklyn, N. Y.....	91,564 00
White-Gans Corporation, New York city.....	94,410 00

Awarded to The Asphalt Construction Co.

Contract No. 77:

New Jersey Shipbuilding & Dredging Co., Bayonne, N. J.....	\$42,895 00
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Awarded to New Jersey Shipbuilding & Dredging Co.

Contract No. 218:

Donnell-Zane Co., Inc., New York city.....	\$46,549 20
A. E. Norton, Inc., New York city.....	47,343 00
Harris Structural Steel Co., Inc., New York city.....	47,646 55
W. F. Martens, Rochester, N. Y.....	47,673 35
J. H. Goldblatt, New York city.....	47,927 70
Hamilton & Chambers Co., Inc., New York city.....	47,991 69
I. J. Stander & Co., Inc., New York city.....	48,224 05
The Carleton Co., Inc., New York city.....	48,825 82
The Snare & Triest Co., New York city.....	49,344 20
Post & McCord, New York city.....	50,426 14
The Austin Co., New York city.....	50,946 93
Diamond & Lundin, Brooklyn, N. Y.....	51,095 85
The Degnon Contracting Co., New York city.....	58,961 80
Stillman, Delehanty, Ferris Co., Jersey City, N. J.....	65,028 45

Award to Donnell-Zane Co., Inc.

Contract No. 217-P:

Altman Plumbing Co., New York city.....	\$3,765 00
Jarcho Bros., Inc., New York city.....	4,250 00

Awarded to Altman Plumbing Co.

Contract No. 52-P:

The Sicilian Asphalt Paving Co., New York city.....	\$11,225 00
The Asphalt Construction Co., New York city.....	11,512 00
The Cleveland Trinidad Co., Flushing, N. Y.....	12,375 00
Uvalde Asphalt Paving Co., New York city.....	12,450 00

Awarded to The Sicilian Asphalt Paving Co.

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Contract No. 113:

General Electric Co., New York city.....	\$14,090 00
Awarded to General Electric Co.	

Contract No. 117:

The Electric Products Co., Cleveland, Ohio.....	\$5,292 52
General Electric Co., Schenectady, N. Y.....	5,577 00
J. Livingston & Co., New York city.....	7,640 00
Awarded to The Electric Products Co.	

Contract No. 43:

McHarg-Barton Co., New York city.....	\$151,340 00
Anderson & Wheeler, Inc., New York city.....	162,314 00
The Degnon Contracting Co., New York city.....	165,138 00
I. J. Stander & Co., Inc., New York city.....	172,192 00
Mohawk Dredge & Dock Co., Herkimer, N. Y.....	173,210 00
The Snare & Triest Co., New York city.....	208,609 00
Awarded to McHarg-Barton Co.	

Contract No. 112:

The Lansing Co., New York city.....	\$9,250 00
Mercury Manufacturing Co., Chicago, Ill. (informal).....	
Awarded to The Lansing Co.	

Contract No. 108:

Croker National Fire Prevention Engineering Co., New York city	\$6,814 00
No award.	

Contract No. 108:

T. Frederick Jackson, Inc., New York city.....	\$5,299 00
Croker Electric Co., New York city.....	5,785 00
Blackall & Baldwin Co., New York city.....	6,303 79
Awarded to T. Frederick Jackson, Inc.	

Contract No. 212-H:

Power Efficiency Corporation, Buffalo, N. Y.....	\$3,540 00
George H. Drake, Buffalo, N. Y.....	4,000 00
John W. Danforth Company, Buffalo, N. Y.....	4,340 00
James J. Bresnahan, Buffalo, N. Y.....	5,364 00
O'Connor & Heusner, Buffalo, N. Y.....	3,993 00
Awarded to Power Efficiency Corporation.	

Contract No. 212-P:

James J. Bresnahan, Buffalo, N. Y.....	\$3,394 00
George H. Drake, Buffalo, N. Y.....	4,300 00
Awarded to James J. Bresnahan.	

Contract No. 36-A:

Holler-LaDu Corporation, Albany, N. Y.....	\$39,665 00
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	44,838 20
Troy Public Works Co., Utica, N. Y.....	46,610 00
W. F. Martens, Rochester, N. Y.....	50,288 00

Awarded to Holler-LaDu Corporation.

Contract No. 45:

Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	\$255,275 00
Fox-Reynolds Co., Inc., New York city.....	257,141 00
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	349,170 00

Awarded to Mohawk Dredge & Dock Co., Inc.

Contract No. 116:

Shepard Electric Crane & Hoist Co., Montour Falls, N. Y....	\$56,280 00
The Wellman-Seaver Morgan Co., Cleveland, Ohio.....	56,800 00
Heyl-Patterson, Inc., Pittsburgh, Pa.....	60,570 00
The Cohoes Iron Foundry & Machine Co., Cohoes, N. Y.....	66,840 00
Manning, Maxwell & Moore, Inc., New York city.....	70,276 00
Bay State Iron Works Corporation, Erie, Pa.....	114,000 00
Edward F. Terry Manufacturing Co., New York city.....	120,840 00
Industrial Works, Bay City, Michigan.....	61,800 00

Awarded to Shepard Electric Crane & Hoist Co.

Contract No. 225:

Fox, Reynolds Co., Inc., New York city.....	\$51,197 30
Associated Contractors, Inc., New York city.....	53,600 60

Awarded to Fox, Reynolds Co., Inc.

Contract No. 203-P:

M. J. Flanery & Son, Troy, N. Y.....	\$665 00
J. A. Laporte, Albany, N. Y.....	670 00

Awarded to M. J. Flanery & Son.

Contract No. 228:

W. F. Martens, Rochester, N. Y.....	\$13,492 50
Wm. R. Kimmey, Hudson Falls, N. Y.....	14,990 00
McCann Building Co., Albany, N. Y.....	15,353 00
I. M. Ludington's Sons, Inc., Rochester, N. Y.....	15,541 00
Collins Brothers, Mechanicville, N. Y.....	15,651 50
J. A. Laporte, Albany, N. Y.....	21,895 00

Awarded to W. F. Martens.

Statement of proposals received and contracts awarded by the Superintendent of Public Works during the year 1919, pursuant to Chapter 391, Laws of 1909, for the improvement of the Cayuga and Seneca canal.

Contract "T":

Kennedy & Scullen Construction Co., Inc., Cohoes, N. Y.....	\$22,300 50
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	22,325 00
Charles Kiehm, Utica, N. Y.....	22,958 50
Bronk & Kimmey, Hudson Falls, N. Y.....	25,915 00
J. A. Laporte, Albany, N. Y.....	27,317 00
Scott Brothers, Rome, N. Y.....	28,000 00
Acker Drilling Co., Scranton, Pa.....	32,514 00

Awarded to Kennedy & Scullen Construction Co., Inc.

Contract "Q":

W. F. Martens, Rochester, N. Y.....	\$5,092 00
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	5,700 00
Troy Public Works Co., Inc., Utica, N. Y.....	5,738 00
Lupfer & Remick, Buffalo, N. Y.....	7,600 00
The Central Dredging Co., Cleveland, Ohio.....	8,550 00

Awarded to W. F. Martens.

Statement of proposals received and contracts awarded by the Superintendent of Public Works during the year 1919, pursuant to special acts of the Legislature.

For constructing a concrete culvert over Eighteen-Mile creek,
Lockport, Niagara county:

(Chapter 626, Laws of 1917)

Savage Construction Co., Buffalo, N. Y.....	\$11,070 50
George J. Metzger, Buffalo, N. Y.....	11,750 00
W. F. Martens, Rochester, N. Y.....	11,790 00
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	13,187 00
C. B. Whitmore Co., Lockport, N. Y.....	13,810 00
Thomas Grady, Rochester, N. Y.....	14,040 00
Whitmore, Rauber & Vicinus, Inc., Rochester, N. Y.....	14,805 00
Hydro Construction Co., Buffalo, N. Y.....	19,922 00

Awarded to George J. Metzger.

For constructing an eight-foot pipe culvert across the Barge
canal at Rome:

(Chapter 346, Laws of 1918)

Scott Brothers, Rome, N. Y.....	\$46,731 20
Troy Public Works Co., Inc., Utica, N. Y.....	48,904 30
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	52,120 70
Robert Provo, Syracuse, N. Y.....	73,741 20

Awarded to Scott Bros.

For construction, heating, sanitary and electric work, addition
to State armory, Malone:

Construction Work

J. D. Flack, Heuvelton, N. Y.....	\$31,395 00
Daniel O'Connell's Sons Co., Holyoke, Mass.....	36,585 00
Emil Diebitsch, New York city.....	37,957 00

Heating Work

Ryan Plumbing & Heating Co., Inc., Watertown, N. Y.....	\$5,417 00
Adams, Britz & Co., Inc., New York city.....	5,668 00
John W. Danforth Co., Buffalo, N. Y.....	6,525 00
The Thomas Breen Co., Utica, N. Y.....	5,496 00

Sanitary Work

Ryan Plumbing & Heating Co., Inc., Watertown, N. Y.....	\$810 00
Edward Joy Co., Syracuse, N. Y.....	2,998 00

Electric Work

The Croker National Fire Prevention Engineering Co., New York city	\$1,675 00
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Construction work awarded to J. D. Flack.

Heating work awarded to Ryan Plumbing & Heating Co., Inc.

Sanitary work awarded to Ryan Plumbing & Heating Co., Inc.

Electric work awarded to The Croker National Fire Prevention Engineering
Co.

Schenectady-Scotia bridge, abutments and approaches:

(Chapter 147, Laws of 1903, and Amendatory and Supplementary Laws;

(Chapter 735, Laws of 1917, and Chapter 634, Laws of 1919)

Walsh Construction Co., Davenport, Iowa.....	\$198,569 50
Mohawk Dredge & Dock Co., Inc., Herkimer, N. Y.....	228,524 40
American Pipe & Construction Co., Philadelphia, Pa.....	235,721 60
Lupfer & Remick, Buffalo, N. Y.....	239,991 00
Brown & Lowe & Law Brothers, Schenectady, N. Y.....	270,546 50

Awarded to Walsh Construction Co., on December 3, 1919,
which declined to enter into contract.

For constructing a through plate girder bridge over the Cuba
reservoir spillway, on the line of the Cuba-Olean highway,
in the town of Cuba.

(Chapter 637, Laws of 1919)

John B. Smith, Cuba, N. Y.....	\$19,905 00
W. F. Martens, Rochester, N. Y.....	22,432 50
Lathrop, Shea & Henwood Co., Buffalo, N. Y.....	23,440 00

Awarded to John B. Smith.

SUPERINTENDENTS	Residences	Appointed	
Benjamin S. W. Clark.....	Sing Sing.....	January	30, 1878
Silas B. Dutcher.....	Brooklyn.....	January	16, 1880
James Shanahan.....	Tribes Hill.....	January	16, 1883
Edward Hannan.....	Troy.....	December	16, 1889
George W. Aldridge.....	Rochester.....	January	2, 1895
John N. Partridge.....	Brooklyn.....	January	16, 1899
Charles S. Boyd.....	New York.....	December	20, 1901
N. V. V. Franchot.....	Olean.....	January	4, 1905
Frederick C. Stevens.....	Attica.....	January	14, 1907
Charles E. Treman.....	Ithaca.....	January	4, 1911
Duncan W. Peck.....	Syracuse.....	January	16, 1912
William W. Wotherspoon.....	Utica.....	January	6, 1915
Lewis Nixon.....	New York city.....	January	9, 1919
Edward S. Walsh.....	Brooklyn.....	May	3, 1919

DEPUTY SUPERINTENDENTS

Patrick J. McWeeney.....	Herkimer.....	October	6, 1896
Elon H. Hooker.....	New York.....	February	1, 1899
Winslow M. Mead.....	Rochester.....	August	25, 1901
Wm. J. Morrissey.....	Saratoga Springs.....	March	28, 1912
Henry D. Alexander.....	Albany.....	January	24, 1915
James E. Doyle.....	Syracuse.....	June	17, 1919

ASSISTANT SUPERINTENDENTS

Eastern Division.....	Thomas R. Crane, Schenectady
Middle Division.....	Patrick J. Cawley, Syracuse
Western Division.....	Charles McDonough, Buffalo

ROSTER OF EMPLOYEES IN THE OFFICE OF SUPERINTENDENT OF
PUBLIC WORKS

Deputy Superintendent.....	James E. Doyle
Assistant Deputy and Chief Clerk.....	Alfred M. O'Neill
Private Secretary.....	Frank P. Keenan
Chief of Financial Bureau.....	H. M. Hulsapple
Auditor and Chief Accountant.....	Edward L. Walsh
Claims Agent and Special Examiner and Appraiser..	John A. Dix
Canal Traffic Agent.....	J. W. Grady
Stenographer and Clerk.....	J. Wilbur Barnes
Clerk of Statistics.....	John E. Winne
Stenographer and Clerk.....	Jessie E. Holmes
Stenographer and Clerk.....	Mary Kirker
Index Clerk.....	F. S. Harder
Clerk.....	Frank Langwig
Inspectors of Steam and Motor Vessels...	{ Theo. T. Mersereau William H. Sickles

BOUNDARIES OF DIVISIONS AND SECTIONS OF
THE CANALS

The following are the boundaries of the divisions of the canals as fixed by the Canal Board, August 16, 1900:

EASTERN DIVISION

Erie canal.— From the south end of the Albany basin to the easterly line of Oneida county; Champlain canal, and their tributary feeders.

MIDDLE DIVISION

Erie canal.— From the easterly line of Oneida county to the easterly line of Wayne county; Black River canal; Oswego canal; Cayuga and Seneca canal, and their tributary feeders.

WESTERN DIVISION

Erie canal.— From the easterly line of Wayne county through the city of Buffalo, including its tributary feeders.

The boundaries of the sections of the canals have been fixed as given below:

ERIE CANAL

Section 1. Erie canal, from the south end of the Albany basin to the west end of lower Mohawk aqueduct, including Watervliet basin, and the Watervliet and Port Schuyler side-cuts; also the Champlain canal from its junction with the Erie canal to a point 200 feet north of the Cohoes guard-lock.

Section 2. Erie canal, from the west end of the lower Mohawk aqueduct to the head of Lock No. 27.

Section 3. Erie canal, from the head of Lock No. 27 to the head of Lock No. 34.

Section 4. Erie canal, from the head of Lock No. 34 to the easterly line of Oneida county.

Section 5. Erie canal, from the easterly line of Oneida county to the westerly side of Peterboro street bridge in the village of Canastota.

Section 6. Erie canal, from the westerly side of Peterboro street bridge in the village of Canastota to and including the Camillus feeder. Also that portion of the Oswego canal from its junction with the Erie canal in the city of Syracuse to and including Lock No. 4, known as Mud lock, on the Liverpool level.

Section 7. Erie canal, from the westerly side of Camillus feeder to the easterly line of Wayne county.

Section 8. Erie canal, from the easterly to the westerly line of Wayne county.

Section 9. Erie canal, from the westerly line of Wayne county to the westerly line of Monroe county.

Section 10. Erie canal, from the westerly line of Monroe county to the head of the guard-lock west of Lockport.

Section 11. Erie canal, from the head of the guard-lock west of Lockport, through the city of Buffalo, including Black Rock harbor, Erie and Ohio basins and the Clark and Skinner canal.

CHAMPLAIN CANAL

Section 1. Champlain canal, from a point 200 feet north of Cohoes guard-lock to the foot of Lock No. 11, including the Troy sloop-lock and dam and the pond above.

Section 2. Champlain canal, from the foot of Lock No. 11 to the north side of waste-weir at Dunham's Basin; also Glens Falls feeder, the feeder dam and pond above.

Section 3. Champlain canal, from the north side of the waste-weir at Dunham's Basin to Lake Champlain.

BLACK RIVER CANAL

Section 1. Black River canal, from the junction of the Black River canal with the Erie canal to the foot of Lock No. 71, at Boonville; the feeder from Boonville to Forestport; the Black river above the dam at Forestport, including the dam; also the reservoirs and feeders tributary to the canal and feeder as described above.

Section 2. Black River canal, from the foot of Lock No. 71, at Boonville, to Black river, at Lyons Falls; the Black river improvement from Lyons Falls to Carthage, including the dam; also Moose river improvement.

OSWEGO CANAL

Oswego canal, from Lock No. 4, known as Mud lock, through Oswego, including the Seneca river towing path, the Baldwinsville canal and the Oneida river improvement.

CAYUGA AND SENECA CANAL

Cayuga and Seneca sections.—Cayuga and Seneca canal, from Montezuma to Geneva, with spur from Mud lock to Cayuga lake.

EASTERN DIVISION

REPORT OF THE ASSISTANT SUPERINTENDENT OF PUBLIC WORKS

OFFICE OF THE

ASSISTANT SUPERINTENDENT OF PUBLIC WORKS,

SCHENECTADY, N. Y., *December 31, 1919.*

HON. EDWARD S. WALSH, *Superintendent of Public Works,*
Capitol, Albany, N. Y.:

SIR.— I respectfully submit herewith the annual report of the Eastern Division of the canals for the fiscal year July 1, 1918, to June 30, 1919, both inclusive.

This division comprises that portion of the Erie canal extending from Waterford to the easterly line of Oneida county, and the entire Champlain canal from Waterford to Whitehall; also the unimproved Erie canal from the southerly end of the Albany basin to the junction of the old Erie and Champlain canals in Watervliet (including the upper and lower sidecuts, Watervliet), and the old Champlain canal from the junction of the Erie and Champlain canals at Watervliet to the lift-bridge at Waterford; and the Glens Falls feeder.

Navigation opened promptly on the date scheduled by you and was continued during the entire season without interruption, with the exception of one period of about forty-eight hours, when boats were delayed on account of high water in the Mohawk river.

Contract towing tugs engaged by the department handled boats over this division to the satisfaction of all concerned, and I recommend that this service be continued the coming season.

By an act of the Legislature during the session of 1919, the State acquired the "Greenbush" bridge, connecting Albany and Rensselaer; and the Congress street bridge, connecting Watervliet

and Troy. By the purchase of these bridges two important highway toll-bridges have been eliminated; and the crossing of the Hudson river at these points made free to all.

Extensive repairs have been made to the river wall at Barge Lock No. 10, Cranesville, heavy riprap having been placed against this wall, and filled with concrete which, in my judgment, will prevent any further movement of same.

At Barge Lock No. 8, Erie, it was discovered that the apron of the movable dam was tilted, and several large cracks were found. The work of repairing was immediately started and had progressed satisfactorily until the winter season set in, when work had to be stopped. It will be resumed again just as soon as weather conditions are favorable.

The new movable dam at Herkimer has been completed, and is a great improvement over the old needle-dam at this location. The new dam, it is expected, will save a great deal of trouble and annoyance to the department, it being much easier to operate in time of floods.

The highway leading to Barge Lock 7, Visscher's Ferry, has been improved by the placing of gravel and clay on same. The road was thoroughly drained and the brush and weeds cut. This improvement is appreciated as the road had become impassable.

The grounds surrounding the various locks on the Mohawk river section of the Erie barge canal and the Hudson river section of the Champlain canal have been greatly improved in the way of necessary fills and grading. The grounds have been seeded and otherwise improved. Practically all of this work has been done by the regular force employed on the various locks.

The work of repairing and remodeling the Guy Park Manor House, at Amsterdam, for which the Legislature appropriated certain moneys, is nearly completed and will be ready for use by the Daughters of the American Revolution during the coming spring.

Twelve bridges spanning portions of the abandoned canals, and all carrying traffic heavier than that for which they were originally constructed, have been removed, culverts for drainage purposes constructed and fills made for crossings at grade. A further

appropriation of funds by the Legislature is necessary for the continuation of this work.

An electric motor has been installed at the State shops, Cohoes, and the old engine and boiler removed. This improvement has been a great saving to the State in the operation of the shops.

On July 24, 1919, a serious break occurred in the Glens Falls feeder, at Lock No. 12. Owing to the fact that the leak was promptly discovered, the delay to navigation was for a few days only. Working forces were promptly organized and work of repair progressed both night and day, without interruption, until completed.

I would recommend that all barge structures on this division be painted during the season of 1920, as no painting of any consequence has been done during the past three years, and this work should not be delayed longer.

The dredging fleet, at various points on the division, has removed bars, stone, etc., from the channel, and from in front of terminal docks, but these dredges are of too small a type to work successfully on the river sections, and I would recommend that the department either construct or purchase a hydraulic dredge for this work.

The tug boats on this division have rendered good service, but having been constructed some twenty years ago for use in the now abandoned canals, they are too small for present-day requirements, and should be replaced with larger and more powerful boats.

The equipment for the handling of merchandise at the various terminals has been operated to good advantage. The terminal wall at Port Henry was repaired during the season.

I would recommend the taking of an inventory of all the equipment on this division that has been abandoned, such as scrap iron, old lumber, machinery, tools, etc., which is practically useless and of no benefit to the State, and that the same be inspected and scrapped.

Financial statements showing ordinary expenditures from July 1, 1918, to February 15, 1919; and February 16, 1919, to June 30, 1919, both inclusive, are herewith attached.

During the past season there has been made and furnished from the State shop at Cohoes, and distributed to the different sections, and the dredges and tugs, manufactured materials representing money values as follows:

Section No. 1, Erie canal.....	\$1,109 00
Section No. 2, Erie canal.....	457 00
Section No. 3, Erie canal.....	172 40
Section No. 4, Erie canal.....	146 48
Section No. 1, Champlain canal.....	230 28
Section No. 2, Champlain canal.....	58 00
Section No. 3, Champlain canal.....	645 50
Eastern Division	5,607 84
Tug "Schenectady"	36 72
Tug "Amsterdam"	54 49
State Boat "Inspector No. 1".....	21 00
Steam pump	366 50
Dredge No. 1.....	153 00
Dredge No. 3.....	132 00
Old mud scows.....	283 00
New mud scow.....	4,116 35
Division signs	2,045 31
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Total	\$15,634 87
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In concluding this report I desire to express my sincere appreciation of the undivided support given me in my official duties by all of the employees of this division.

T. R. CRANE,
Assistant Superintendent.

DETAILED STATEMENT of Expenditures on the Eastern Division of the Canals, by W. S. Hamlin, Assistant Superintendent of Public Works, from July 1, 1918, to February 15, 1919, both inclusive

	Eastern Division	ERIE CANAL				CHAMPLAIN CANAL			Totals	Grand totals
		Section 1	Section 2	Section 3	Section 4	Section 1	Section 2	Section 3		
General supervision:	\$6,987 20								\$6,987 20	\$6,987 20
Salaries, regular									4,909 67	4,909 67
General field and shop force:	4,909 67								13,757 00	13,757 00
Salaries, regular	13,757 00									
Wages, regular and temporary										
Boat crews division:										
Wages, temporary	3,863 79								3,863 79	3,863 79
Section maintenance forces:	7,774 71	\$6,691 40	\$2,584 71	\$2,440 15	\$9,248 30	\$7,715 00	\$4,169 45	\$1,742 35	42,366 57	3,863 79
Prize lock competition:							180 00		180 00	
Maintenance and operation:										
Fuel, light, power and water:	5,789 91				1,328 33	982 51	768 21	77 12	15,429 75	42,546 57
Advertising		298 70	2,601 46	3,603 51		48 36	46 11	30 16	15,293 45	
Equipment		52 50	33 36	43 46		53 43			7,213 78	
Supplies	4,245 14	1,475 57	367 48	361 67	263 59	1,438 23	1,165 45	1,062 34	16,277 62	
Materials	5,091 21	1,220 70	926 63	1,167 97	2,604 83	2,142 07	787 81	5,206 65	24,849 62	
Traveling expenses	4,654 26	1,495 46	1,015 04	1,283 61	8,295 14	412 29	136 57	508 92	7,061 01	
Communication	3,855 65	131 76	818 03	531 61	656 28	431 60	209 75	301 09	3,359 76	
Rent:	627 84	300 91	423 99	737 11	357 47					73,465 23
Division Superintendent's office:	350 00								\$350 00	
Section Superintendent's office:								60 00	60 00	
Administration:										410 00
Additional clerk hire:	143 29								\$143 29	143 29
Construction and permanent betterments:										
Removal of bridges, abandoned canals			3,308 37	5,068 44	1,285 60	3,391 62	917 03	2,568 24	\$16,559 30	
Ditching, chapters 646-181, Laws									5,282 07	
1916-1918			307 00	94 60	4,333 97		420 00	2,138 00	2,138 00	
Construction of store and lock houses:										
New floating plant:	865 24								\$865 24	
Repairs, Part 3:										23,979 37
Contracts, mechanics, labor and teams	10,694 85	642 50	408 50	179 50	6,357 00	1,744 75	587 00	45 00	20,659 10	20,659 10
Totals:	\$74,209 95	\$12,309 49	\$12,795 17	\$15,631 53	\$34,701 01	\$18,339 86	\$9,739 78	\$13,969 87		\$191,686 56

DETAILED STATEMENT OF Expenditures on the Eastern Division of the Canals, by Thomas R. Crane, Assistant Superintendent of Public Works, from February 16, 1919, to June 30, 1919, both inclusive

	Eastern Division	FRIE CANAL				CHAMPLAIN CANAL				Totals	Grand totals
		Section 1	Section 2	Section 3	Section 4	Section 1	Section 2	Section 3	Section 4		
General supervision:											
Salaries, regular	\$4,231 83									\$4,231 83	\$4,231 83
General field and shop force:											
Salaries, regular	3,086 79									3,086 79	3,086 79
Wages, regular and temporary	4,902 80					\$101 50	\$190 00	\$963 00		3,957 30	12,024 09
Boat crews division:											
Wages, temporary	2,590 00	\$2,191 00									5,196 66
Section maintenance forces:	4,054 13										5,196 66
Prize lock competition:		1,632 76				378 00	3,011 79	1,426 76		99 00	15,722 00
Maintenance and operation:											
Fuel, light, power and water:											
Advertising	1,979 97	26 96	2,368 70	1,794 76	286 69	472 92	562 54	173 33		\$7,586 90	
Equipment		47 26	30 36	40 42		40 11	28 31	53 27		238 72	
Supplies	700 00			126 36		46 90	10 74			832 99	
Materials	5,689 12	2,512 04	1,233 01	1,073 98	931 64	2,696 96	1,338 33	1,063 06		16,097 17	
Traveling expenses	11,454 24	821 90	1,192 19	759 02	904 78	661 36	818 26	514 42		17,126 17	
Communication	2,886 66	4 32	261 86	233 32	239 97	267 80	171 06	170 46		4,266 33	
	438 23	96 26	197 88	207 80	190 93	213 79	101 34	106 63		1,561 76	
Payment of small claims:	8 00		8 00							\$16 00	48,208 04
Winter storage floating plant (dry lock)											16 00
Division Superintendent's office:	125 00									125 00	
Section Superintendents' offices:	250 00									250 00	
Construction and permanent betterments:											
Removal of bridges, abandoned canals											
Ditching, chapters 640-181, Laws 1916-1918			1,569 76	633 65	713 00	728 46				\$3,815 56	464 68
General plant service:											
Aids to navigation (buoys)	16 49		634 00		896 53		1,118 90	428 00		3,089 43	6,984 99
Repairs, Part 3:			1,679 17	1,147 00	486 36	987 28	234 50			\$4,560 80	4,560 80
Contracts, mechanics, labor and teams	14,267 53	1,183 15	25,438 76	1,871 68	8,183 00	796 85	3,279 01	968 75		55,938 73	55,938 73
Totals:	\$56,560 66	\$8,494 62	\$36,593 51	\$9,653 88	\$17,418 40	\$7,370 92	\$11,049 50	\$6,106 31		\$153,226 82	

DETAILED STATEMENT of Expenditures on the Eastern Division of the Canals, by W. S. Hamlin, Assistant Superintendent of Public Works, from July 1, 1918, to February 15, 1919, both inclusive

	Eastern Division	ERIE CANAL				CHAMPLAIN CANAL			Totals	Grand totals
		Section 1	Section 2	Section 3	Section 4	Section 1	Section 2	Section 3		
General supervision:	\$6,987 20	.....	.....	.....	.....	.....	.....	.....	\$6,987 20	\$6,987 20
Salaries, regular:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
General field and shop force:	4,909 87	.....	.....	.....	.....	.....	.....	.....	4,909 87	4,909 87
Salaries, regular and temporary:	13,757 00	.....	.....	.....	.....	.....	.....	.....	13,757 00	13,757 00
Wages, regular and temporary:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Boat crews division:	3,863 79	.....	.....	.....	.....	.....	.....	.....	3,863 79	3,863 79
Wages, temporary:	7,774 71	\$6,691 40	\$2,584 71	\$2,440 15	\$9,248 30	\$7,715 00	\$4,169 45	\$1,742 35	42,366 57	18,686 57
Section maintenance forces:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Prize lock competition:	.....	.....	.....	.....	.....	.....	180 00	.....	180 00	.....
Maintenance and operation:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fuel, light, power and water:	5,789 91	298 70	2,001 46	3,603 51	1,328 33	962 51	768 21	77 12	15,429 75	42,546 57
Advertising:	.....	52 50	33 38	43 46	.....	48 36	46 11	30 16	263 96	.....
Equipment:	4,245 14	1,475 57	367 48	351 87	283 59	53 43	352 40	94 50	7,213 78	.....
Supplies:	5,691 21	1,090 70	926 63	1,167 97	2,604 83	1,438 23	1,165 46	1,062 24	16,277 38	.....
Materials:	4,654 26	1,495 45	1,015 64	1,283 61	8,265 14	2,142 07	787 81	5,205 65	24,849 62	.....
Traveling expenses:	3,855 65	131 76	818 03	531 51	656 28	412 29	136 57	508 92	7,061 01	.....
Communication:	627 84	300 91	423 99	737 11	357 47	431 60	209 75	301 09	3,389 76	.....
Rent:	.....	.....	.....	.....	.....	.....	.....	.....	.....	73,465 23
Division Superintendent's office:	350 00	.....	.....	.....	.....	.....	.....	.....	\$350 00	.....
Section Superintendent's office:	.....	.....	.....	.....	.....	.....	.....	.....	60 00	.....
Administration:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Additional clerk hire:	143 29	.....	.....	.....	.....	.....	.....	.....	\$143 29	.....
Construction and permanent betterments:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Removal of bridges, abandoned canals	.....	.....	3,308 37	5,068 44	1,285 60	3,391 62	917 08	2,568 24	\$16,559 30	.....
Ditching, chapters 646-181, Laws	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1916-1918:	.....	.....	307 00	94 60	4,333 97	.....	420 00	126 50	5,282 07	.....
Construction of store and lock houses:	.....	.....	.....	.....	.....	.....	.....	2,138 00	2,138 00	.....
New floating plant:	865 34	.....	.....	.....	.....	.....	.....	.....	\$865 34	.....
Repairs, Part 3:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Contracts, mechanics, labor and teams	10,694 85	642 50	408 50	179 50	6,357 00	1,744 75	587 00	45 00	20,659 10	20,659 10
Totals:	\$74,209 85	\$12,309 49	\$12,795 17	\$15,631 63	\$34,701 01	\$18,339 86	\$9,739 78	\$13,969 87	.....	\$191,696 56

DETAILED STATEMENT OF Expenditures on the Eastern Division of the Canals, by Thomas R. Crane, Assistant Superintendent of Public Works, from February 16, 1919, to June 30, 1919, both inclusive

	Eastern Division	ERIE CANAL				CHAMPLAIN CANAL			Totals	Grand totals
		Section 1	Section 2	Section 3	Section 4	Section 1	Section 2	Section 3		
General supervision :	\$4,231 83	.....	.....	.....	.....	.....	.....	.....	\$4,231 83	\$4,231 83
Salaries, regular :	3,036 79	.....	.....	.....	.....	.....	.....	.....	3,036 79	3,036 79
General field and shop force :	4,902 80	\$2,191 00	\$359 00	.....	\$260 00	\$101 50	\$190 00	\$963 00	8,987 30	12,094 09
Wages, regular :	2,590 00	.....	.....	.....	.....	.....	.....	.....	.....	5,195 66
Boat crews division :	4,034 13	1,632 75	1,078 52	\$1,143 35	910 00	378 00	3,011 79	1,426 75	.....	15,722 00
Section maintenance forces :	.....	.....	.....	627 56	3,433 50	.....	99 00	.....	.....	.....
Prize lock competition :	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maintenance and operation :	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fuel, light, power and water :	1,979 97	26 95	2,368 70	1,724 75	226 69	473 92	562 54	173 38	\$7,535 90	.....
Advertising :	.....	47 25	30 36	40 42	.....	40 11	28 31	53 27	.....	.....
Equipment :	700 00	.....	.....	126 35	.....	45 90	10 74	.....	832 99	.....
Supplies :	5,639 12	2,512 04	1,233 01	1,073 98	951 64	2,696 95	1,323 33	1,063 05	16,907 17	.....
Materials :	11,454 24	821 90	1,192 19	759 02	904 75	661 36	818 26	514 42	17,126 17	.....
Travelling expenses :	2,865 55	4 32	261 88	233 32	229 97	267 80	171 05	170 46	4,265 33	.....
Communication :	433 23	95 25	197 68	207 80	190 93	213 79	101 34	106 53	1,551 76	.....
Payment of small claims.....	8 00	.....	8 00	.....	.....	.....	.....	.....	\$16 00	48,208 04
Rent :	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 00
Winter storage floating plant (dry dock).....	125 00	.....	.....	.....	.....	.....	.....	.....	125 00	.....
Division Superintendent's office.....	250 00	.....	.....	.....	.....	.....	.....	.....	250 00	.....
Section Superintendents' offices.....	.....	.....	.....	.....	.....	.....	41 68	48 00	89 68	.....
Construction and permanent betterments :	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Removal of bridges, abandoned canals	.....	.....	1,569 75	633 65	713 00	728 46	.....	170 70	\$3,815 56	464 68
Ditching, chapters 640-181, Laws 1916-1918.....	.....	.....	634 00	.....	898 53	.....	1,118 90	428 00	3,069 43	6,894 99
General plant service :	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,550 80
Aids to navigation (buoys).....	16 49	.....	1,679 17	1,147 00	486 36	987 28	234 50	.....	\$4,550 80	55,988 73
Repairs, Part 3 :	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Contracts, mechanics, labor and teams	14,257 53	1,153 15	25,438 76	1,871 68	8,183 00	786 85	3,279 01	968 75	55,988 73	.....
Totals.....	\$56,560 68	\$8,494 62	\$36,593 51	\$9,653 88	\$17,418 40	\$7,370 92	\$11,049 50	\$6,105 31	.....	\$153,236 82

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 15, 1919, both inclusive, on Section No. 1, Erie Canal, in charge of Edgar L. Peddie, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent canal repairs..... Disbursing clerk Lockmaster Assistant lockmasters (4)..... Lock operators (18)..... Water and bridge watch.....	\$826 33 687 45 1,063 12 3,344 90 13,231 21 487 50	
Wages, temporary: Lock helpers (18)..... Guard-gate tenders (3)..... Lock tenders (13), at \$47.50..... Lock tenders (9), at \$45..... Bridge tender Bank and water watch (2)..... Harbormaster and water watch..... Winter night watch (2)..... Carpenter	\$6,750 00 1,311 99 3,024 14 2,025 00 150 00 400 00 350 00 236 00 528 00	\$19,640 51 14,775 13
Total .....	.....	\$34,415 64

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 169

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 16, 1919, to June 30, 1919, both inclusive, on Section No. 1, Erie Canal, in charge of J. W. Stanton, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent canal repairs.....	\$651 12	
Disbursing clerk	412 47	
Lockmaster	637 88	
Assistant lockmasters (4).....	2,101 52	
Lock operators (18).....	8,100 00	
Water and bridge watch.....	292 50	
		\$12,195 49
Wages, temporary:		
Lock helpers (18).....	\$2,132 62	
Guard gate tenders (3).....	368 01	
Lock tenders (13), at \$47.50.....	1,070 29	
Lock tenders (9), at \$45.....	702 00	
Bridge tender	51 77	
Bank and water watch (2).....	360 00	
Harbormaster and water watch.....	200 00	
Winter night watch (2).....	150 00	
Carpenter	208 00	
		5,242 69
Total .....	.....	\$17,438 18

REPAIRS AND IMPROVEMENTS

New needle beams and new stringers on Bridge No. 9.

New iron rail placed along Erie canal near swing bridge, Watervliet.

New stringers and all new plank on Fifth street bridge, Watervliet.

About 700 feet of docking repaired.

About 300 feet of new docking put in.

Towing path filled in and repaired, Cohoes to Albany.

Weeds and brush cut and burned along entire section.

New warning signs placed on all bridges.

JOHN W. STANTON,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to March 15, 1919, both inclusive, on Section No. 2, Erie Canal, in charge of James Scanlon, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$1,262 25	
Disbursing clerk	641 65	
Lockmaster	1,204 87	
Assistant lockmasters (4).....	3,969 48	
Lock operators (11).....	9,199 50	
Watchmen, shop	400 00	
		\$16,677 75
Wages, temporary:		
Lock helpers (12).....	\$5,205 62	
Buoy light tenders (2).....	1,638 71	
Carpenter	599 00	
		7,443 33
Total .....	.....	\$24,121 08

ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 16, 1919, to June 30, 1919, both inclusive, on Section No. 2, Erie Canal, in charge of W. C. Schopman, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent of repairs..... Lockmaster Assistant lockmasters (4)..... Lock operators (11)..... Watchman, shop	\$519 75 496 13 1,634 52 3,850 00 175 00	\$6,675 40
Wages, temporary: Lock helpers (12)..... Buoy light tenders (5)..... Carpenter	\$1,200 00 690 00 156 00	
Total .....	.....	2,046 00 \$8,721 40

REPAIRS AND IMPROVEMENTS

Before the season opened all buoys, stake lights and lamps were repaired and painted, and were in place when the season opened. New anchors and balance weights were also made.

Solid dirt fills were made at Bridges Nos. 68, 70, 72, 75 and 37. Bridges Nos. 36 and 53 were taken down and solid fills made. Bridge No. 69 was repaired.

The gates at Dam 3, Lock No. 7, were painted. The section scows were painted.

Roads at Lock No. 9 and at Crescent were repaired. Also the fenders on Lock No. 9.

All brush, weeds and trees were cut away from near the stake lights, and from the banks in general. Ditching was done at Pattersonville to protect the adjacent land. The property of Sarah Van Slyke, at Crescent, was ripped to protect same.

New barrel buoys were made.

The State house was removed from Dock street to Mill lane and the new place repaired.

Timbers were collected from this section and taken to Waterford to the new dry dock.

Buoys were replaced and repaired several times during the season.

Buoys and stake lights were taken out and put in winter storage, and cylinders shipped for recharging.

W. C. SCHOPMAN,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to March 2, 1919, both inclusive, on Section No. 3, Erie Canal, in charge of Frank W. Reynolds, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$1,188 00	
Disbursing clerk	733 28	
Shop watchman	320 00	
Lockmaster	1,134 00	
Assistant lockmasters (6).....	5,553 96	
Lock operators (18).....	13,933 21	
		\$22,862 45
Wages, temporary:		
Lockhelpers (18)	\$7,767 78	
Light tenders (3).....	1,279 58	
Carpenter	576 00	
		9,623 36
Total . . . . .	.....	\$32,485 81

ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 3, 1919, to June 30, 1919, both inclusive, on Section No. 3, Erie Canal, in charge of John H. Lynch, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent of repairs..... Disbursing clerk Shop watchman Lockmaster Assistant lockmasters (6)..... Lock operators (18).....	\$594 00 366 72 160 00 562 83 2,802 00 7,166 72	\$11,652 27
Wages, temporary: Lockhelpers (18) Light tenders (3)..... Carpenter	\$2,272 26 600 00 208 00	
Total .....	.....	3,080 26 \$14,732 53

REPAIRS AND IMPROVEMENTS

All buoys were repaired, painted and placed on stations previous to the opening of navigation, and removed again at the close of the season.

Prompt attention was given, during season of navigation, to replacing all buoys to proper stations, when run down or dragged out of place from any cause.

All bridges on section, both farm and highway, have been kept in repair and two large culvert bridges have been rebuilt and Bridges Nos. 89 and 121 repainted.

Bridges Nos. 104, 108 and 116, spanning abandoned canal, have been removed and fills made for crossings at grade.

All necessary repairs have been made to dams, lock gates, etc.

Weeds and grass have been cut at all terminals and on lock grounds, and the brush and weeds have repeatedly been cut around all stake lights.

Grading and improving lock grounds has been done at all the locks, during the past season, and work shops have been provided for each lock, except Lock No. 12.

During the past season the barge canal has been cleared of fallen trees, logs, stumps, etc.; also two sunken boats, at close of navigation, were removed from canal channel out of danger to bridges and other property.

JOHN H. LYNCH,
Superintendent.

ANNUAL REPORT, *showing the different items of expenditure and the cost of each, July 1, 1918, to February 15, 1919, both inclusive, on Section No. 4, Erie Canal, in charge of William Brennan, Superintendent of Repairs.*

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$1,113 75	
Disbursing clerk	229 15	
Lockmaster	1,011 59	
Assistant lockmasters (3), at \$1,301.	2,604 08	
Shop watch	375 00	
Lock operators	4,951 29	
		\$10,284 86
Wages, temporary:		
Lock helpers	\$3,527 46	
Bridge tenders	1,097 40	
Bank watch	600 00	
Buoy light tenders.....	1,045 08	
Watchman and guard-gate tender....	470 32	
Lock tenders	2,850 00	
Carpenter	524 00	
		10,114 26
Total .....	.....	\$20,399 12

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 16, 1919, to June 30, 1919, both inclusive, on Section No. 4, Erie Canal, in charge of John P. McGraw, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$668 25	\$6,540 06
Disbursing clerk	412 47	
Lockmaster	637 83	
Assistant lockmasters (3), at \$1,301.	1,575 99	
Shop watch	133 05	
Lock operators	3,112 47	
Wages, temporary:		
Lock helpers	\$1,162 50	3,289 50
Bridge tenders	350 00	
Bank watch	180 00	
Buoy light tenders.....	350 00	
Watchman and guard-gate tender...	135 00	
Lock tenders	855 00	
Carpenter	257 00	
Total	\$9,829 56

REPAIRS AND IMPROVEMENTS

One bridge spanning abandoned Erie canal has been taken down and crossings constructed at grade. Weeds and brush have been cut along entire section.

Barge canal bridges have been replanked where necessary and the old canal bridge repaired as required.

Approaches to bridges on old canal have been repaired. Buoys have been thoroughly overhauled, painted, placed in water, reset, maintained and again removed at close of navigation.

Two new bridges have been built and placed in position over old Erie canal.

JOHN MCGRAW,
Superintendent.

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ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 15, 1919, both inclusive, on Section No. 1, Champlain Canal, in charge of John B. Hutchins, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent of repairs..... Disbursing clerk Lockmaster Assistant lockmasters (5)..... Lock operators (10)..... Watchmen (3)	\$1,113 75 687 45 1,063 12 4,277 79 7,356 66 900 00	
Wages, temporary: Lock helpers (15)..... Buoy tenders (3)..... Bridge tenders (3)..... Bridge and water watchman..... Bridge and water watchman..... Lock tenders (5)..... Carpenter	\$5,625 00 1,500 00 675 00 225 00 275 00 1,125 00 528 00	\$15,398 77 9,953 00
Total .....	.....	\$25,351 77

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 16, 1919, to June 30, 1919, both inclusive, on Section No. 1, Champlain Canal, in charge of Daniel Ryan, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$668 25	\$9,385 51
Disbursing clerk	412 47	
Lockmaster	637 88	
Assistant lockmasters (5).....	2,626 91	
Lock operators (10).....	4,500 00	
Watchmen (3)	540 00	
Wages, temporary:		
Lock helpers (15).....	\$2,250 00	3,816 77
Buoy tenders (3).....	600 00	
Bridge tenders (3).....	208 13	
Bridge and water watchman.....	57 66	
Bridge and water watchman.....	140 00	
Lock tenders (5).....	352 98	
Carpenter	208 00	
Total	\$13,202 28

REPAIRS AND IMPROVEMENTS

During the season of 1919, Bridges Nos. 20, 35, 37 and 45, spanning the abandoned Champlain canal, were removed, concrete culverts constructed to care for drainage, and fills made for grade crossings.

The grounds at Barge Locks Nos. 3 and 4 have been filled, graded and seeded.

A tug was maintained below Barge Lock No. 3 during the season, and worked to good advantage, assisting boats through dangerous cross-currents below this lock.

Bridges spanning the abandoned Champlain canal have been repaired and needle beams and planking replaced as required. There were no delays to navigation.

DANIEL RYAN,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 15, 1919, both inclusive, on Section No. 2, Champlain Canal, in charge of Patrick O'Grady, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent of repairs..... Disbursing clerk Lockmaster Assistant lockmasters (3)..... Lock operators (7).....	\$1,113 75 348 31 1,063 14 2,511 34 4,809 21	\$9,845 75
Wages, temporary: Lock helpers (9)..... Buoy light tender..... Locktenders (24), Glens Falls feeder. Locktenders (2) Feeder tender Carpenters Bank watch, with horse..... Bank watch	\$3,375 00 500 00 5,400 00 450 00 250 00 512 00 375 00 200 00	
Total .....	.....	11,062 00 \$20,907 75

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 16, 1919, to June 30, 1919, both inclusive, on Section No. 2, Champlain Canal, in charge of Daniel Moynihan, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$668 25	
Disbursing clerk	412 48	
Lockmaster	637 86	
Assistant lockmasters (3).....	1,576 13	
Lock operators (7).....	3,112 47	
		\$6,407 19
Wages, temporary:		
Lock helpers (9).....	\$1,350 00	
Buoy light tender.....	200 00	
Lock tenders (24), Glens Falls feeder	2,160 00	
Lock tenders (2).....	168 00	
Feeder tender	100 00	
Carpenter	288 00	
Bank watch, with horse.....	150 00	
Bank watch	80 00	
		4,496 00
Total .....	.....	\$10,903 19

REPAIRS AND IMPROVEMENTS

A concrete bottom was put in the Glens Falls feeder for a distance of about 450 feet to stop the leaks that caused damages to the property of the Finch-Pruyn Company.

A new dock was constructed in the rear of the power-house at Lock No. 8 to prevent the earth from sliding into the raceway and stopping the flow of water from the wheel pit.

All buoys were cleaned, painted and repaired, placed on stations in the spring and removed from same at the close of navigation.

Lock gates, iron work, etc., at Locks Nos. 7 and 8 were cleaned and painted.

Weeds and brush were cut for the entire length of the section.

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Considerable repairs and grading was done to the lock grounds and roadway leading to Lock No. 8. .

Towing path, waste weirs, aqueducts, docking, lock gates, etc., on the Glens Falls feeder were kept in good repair.

DANIEL MOYNIHAN,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 28, 1919, both inclusive, on Section No. 3, Champlain Canal, in charge of Henry Neddo, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures	
Salaries, regular:		
Superintendent of repairs.....	\$1,188 00	
Disbursing clerk	733 34	
Lockmaster	1,134 00	
Assistant lockmaster	2,535 18	
Lock operator	4,718 33	
		\$10,308 85
Wages, temporary:		
Lock helper	\$3,322 50	
Bank watchman, with horse.....	375 00	
Bank watchmen (2).....	400 00	
Carpenter	420 00	
Common labor, cleaning bridges, winter	150 00	
		4,667 50
Total	\$14,976 35

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ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 1, 1919, to June 30, 1919, both inclusive, on Section No. 3, Champlain Canal, in charge of E. F. Roche, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures	
Salaries, regular: Superintendent of repairs..... Disbursing clerk Lockmaster Assistant lockmaster Lock operator	\$594 00 366 66 425 25 1,350 99 2,180 00	\$4,916 90
Wages, temporary: Lock helper Bank watchman, with horse..... Bank watchman (2)..... Carpenter Common labor, cleaning bridges, winter	\$1,350 00 150 00 160 00 208 00 50 00	
Total .....	.....	1,918 00 <hr/> \$6,834 90

REPAIRS AND IMPROVEMENTS

Terminal building grounds have been graded and improved. Driveway was filled with eleven carloads of cinders and five boatloads of Cold Spring gravel, rolled down. Concrete platform and walk, extending to Main street, were laid and wooden fence was painted. Garden plants and shrubbery were set out. Doors have been placed in terminal building, and warehouse doors and water pipes, also concrete floors in office part of building, have been painted.

Five carloads of material were dumped on old canal fill in Fort Ann village, substantial stone retaining walls built, eighty feet of concrete sidewalk laid and eighty feet of pipe railing put in place.

Temporary buildings at Locks Nos. 9 and 11 have been strengthened by building concrete foundations and fitted for storage use and shop work.

Wash wall has been repaired near Saunders street bridge, Whitehall; on east side of canal, opposite terminal, to Boardman street bridge and south of bridge; near Brayton bridge; near Flat Rock crossing; near Ryder bridge and other points.

Three hundred and four lineal feet of yellow pine wale pieces have been placed where needed at points in Whitehall and Comstock.

Cabinets and other metal structures on Locks Nos. 9, 11 and 12 were painted. Lock gates at Lock No. 9 were painted. Walks on lower lock gates have been widened eighteen inches and storm windows have been placed in power-houses at Locks Nos. 9, 11 and 12. New 750-watt lamps have been installed at Lock No. 12 in place of old arc lamps.

Barge canal bridges have all been repaired and replanked where timber was worn or decayed.

Both scows have been repaired during the season.

Repairs have been made on old canal road crossings, wood block pavement on Clinton avenue bridge, waste weir wall at Dunham's Basin. Pier, boom and footway on movable dam at Lock No. 12.

Ditching was done on Summit level to prevent damage from overflow and brush and weeds were cut along entire section.

E. F. ROOHE,
Superintendent.

MIDDLE DIVISION

REPORT OF THE ASSISTANT SUPERINTENDENT OF PUBLIC WORKS

OFFICE OF ASSISTANT SUPERINTENDENT,

SYRACUSE, N. Y., *January 1, 1920.*

HON. EDWARD S. WALSH, *Superintendent of Public Works,
Albany, N. Y.:*

DEAR SIR.—The annual report covering repairs and improvements on the Middle Division of the New York State Canals is herewith respectfully submitted:

DIVISION PLANT AND EQUIPMENT

Installed machinery and derrick in new derrick boat.

Rebuilt bow and stern of tug "Kunze."

Repaired dredge "Pathfinder" and fleet, Hydraulic Dredges Nos. 1 and 2, dump and gravel scows, Pump Boat No. 1, tug "Syracuse," derrick boat "Stevens," boat "Dana," at Sylvan Beach, tug "Wheeler," gasoline derrick boat "Mary Ann," paint boat, State scows, ditching scow, pontoons, and motor boats for use on the various sections.

Repaired sweep boat for use in sweeping Barge canal channel.

Painted Dredge Fleet No. 1, tugs "Syracuse" and "Kunze," paint boat, dredge "Pathfinder" fleet, Pump Boat No. 1, Derrick Boat No. 6, derrick boat "Stevens" and motor boats for use on various sections.

Made and painted property and danger signs for use on division.

Made and painted signs for use on Barge canal locks, terminals, bridges and division boats.

Painted bridge targets on various bridges on division.

Painted roofs of Weighlock building and machine shop.

Built storeroom in Weighlock building.
 Enlarged garage and installed heating system.
 Repaired sidewalks in front of Weighlock building and machine shop.

Built houses over electric cranes at Barge canal terminal.
 Pumped out sunken boats on various sections.
 Swept Barge canal channel on the various sections.
 Set spars for buoy lights in Oneida Lake.
 Made anchor weights for buoys in Oneida Lake.
 Recharged Oneida Lake buoys and lighthouses with gas.
 Made signs for buoys on Barge canal.
 Repaired and painted buoys on the various sections and installed same at the opening of navigation and removed at the close of navigation and stored for the winter.
 Laid up boats for the winter.

SOUTHERN RESERVOIR SYSTEM

Made repairs to Madison reservoir spillway bridge.
 Repaired Bouckville highway bridge, Hudson's bridge and Abbey farm bridge over Chenango feeder.
 Repaired bridge over Chenango feeder at Hamilton.
 Repaired Oakes farm bridge over Bradley Brook feeder.
 Repaired Randallsville, Smith's and Armstrong bridges.
 Repaired leak in Kingsley Brook feeder.
 Repaired road over DeRuyter dam.
 Painted Cazenovia highway bridges.
 Cut weeds and brush along feeders and reservoirs.

Section 5, Erie Canal

Made repairs to Locks Nos. 20, 21 and 22 and junction lock, Rome.
 Built cottages for housing of lock forces at Locks Nos. 21 and 22.
 Repaired leak at stop gates at Rome.
 Raised guard gates at Rome.
 Repaired Trenton Falls dam, gates at Hinckley and *Delta dams.*
 Repaired State house at Hinckley reservoir.
 Repaired John street bridge, Utica.
 Replanked Barge canal bridge at New London.

Painted Carey's road bridge, Whiteboro, Mill street, Lawrence street and James street bridges, Rome; Sylvan Beach, Roberts and Burdick's bridges, Park avenue and Genesee street bridges, Utica, Schuyler and Whitesboro road bridges, and bridge over Barge canal at Lock No. 21.

Dredging in Barge canal at Herkimer, Deerfield, at Genesee street bridge, Utica, near Schuyler street bridge, Utica, at Frankfort, at mouth of Nine-mile creek, between Locks Nos. 21 and 22, at mouth of Wood creek, east of Sylvan Beach, at highway bridge just east of Sylvan Beach and in Utica harbor.

Ditching near Chadwick farm west of Canastota.

Section C, Erie Canal

Made repairs to Beach street, Crouse avenue, Catherine street, State street, South Salina street, Clinton street, Franklin street, West street, Geddes street, West Genesee street, James street, Willow street, Park street and First Ward bridges in city of Syracuse.

Repaired approaches of West street, Franklin street, West Genesee street and North Salina street bridges in city of Syracuse.

Repaired Hedson's Landing bridge, Manlius Centre bridge, Peterboro street bridge, Canastota, Schroepfel's bridge, Brewerton bridge, Green Point and Belle Isle bridges.

Painted South Salina, North Salina, Warren street, Clinton street, James street and Franklin street bridges, in city of Syracuse.

Painted Bridge No. 55 at Baldwinsville and State's portion of Cold Spring bridge.

Repaired Locks Nos. 47, 48 and 50 in old Erie canal and Lock No. 3 in old Oswego canal.

Made repairs to roads at Syracuse terminal.

Cleaned out Canaseraga culvert.

Cleaned out ditch east of Hedson's Landing to prevent leakage.

Removed obstructions from canal at Chittenango and Canastota.

Removed obstructions from Barge canal near Schroepfel's bridge.

Repaired wall adjacent to Park street bridge, old Oswego canal, wall just west of Lock No. 49, old Erie canal, wall near Greenway's brewery, old Oswego canal.

Repaired waste weir gates at Bartel's brewery.
 Made repairs to Orville aqueduct.
 Installed water service at Syracuse Barge canal terminal.
 Installed lights at Syracuse Barge canal terminal.
 Installed lights at Brewerton dock.
 Built bridge from north pier to shore at Brewerton.
 Built bridge over drainage ditch at Syracuse terminal.
 Built storeroom at Barge canal terminal freight house.
 Built coal pockets at Baldwinsville for storage of coal for use
 of towing tugs.
 Built storehouse at Baldwinsville.
 Made repairs to tenant houses at Baldwinsville.
 Made repairs to Lock No. 24 at Baldwinsville and put on new
 snubbing posts.
 Stopped leak in gates at Baldwinsville.
 Moved Byers crane from Rome to Baldwinsville and set up.

Section 7, Erie Canal

Repaired sea wall at Owasco lake.
 Repaired damaged buoys in Seneca river.
 Dredged in Seneca river west of Baldwinsville and at Cross
 lake.
 Installed electrical machinery to operate dam at Lock No. 25.
 Built dock at Montezuma.
 Painted Bridge No. 56 at State ditch, Bonta's Bridge No. 57,
 Mosquito Point Bridge No. 58, Bridge No. 61 at Lock No. 25
 and Bridge No. 62 at county line.
 Removed Main street, Clark street and McLoud's bridges at
 Montezuma, Main street bridge at Port Byron, Brutus street
 bridge at Weedsport, and Main street bridge at Memphis over
 abandoned Erie canal.

Oswego Canal

Made repairs to Locks Nos. 2, Fulton; 5, Minetto; and 7,
 Oswego.
 Painted power-house and machinery at Locks Nos. 2 and 7.
 Repaired raceway at Minetto lock, Oswego.
 Made repairs to curved dam at Oswego.

Made repairs to Utica street bridge, Oswego.
 Set up Byers crane at west terminal dock, Oswego.
 Dredged in Barge canal near Butler's dock north of Fulton.
 Lowered pipe at Culvert street, Phoenix.
 Swept Barge canal channel in Oswego river between Oswego
 and Three River Point.

Cayuga and Seneca Canal

Built and installed culvert gratings at upper end of Lock No. 3,
 Seneca Falls.

Made repairs to Locks Nos. 1, 2, 3 and 4, Cayuga and Seneca
 canal.

Putting targets and hangers for lights on bridges.

Pulling old piles in Cayuga lake.

Repaired Virginia street bridge, Waterloo.

Dredged in Barge canal below Locks Nos. 1 and 2, Seneca Falls,
 and in old canal near Lock No. 4, Waterloo.

Took Byers' crane from Utica to Waterloo and set same up at
 Waterloo.

Removed Mallory's bridge at Montezuma over old Cayuga and
 Seneca canal.

Black River Canal

Repaired locks and gates at Delta dam.

Made repairs to State house at North lake.

Repaired North lake telephone line.

Repared bridge at Carthage over the Black River canal.

Installed new gates at Canachagala Lake reservoir.

Financial tables showing the expenditures from July 1, 1918,
 to June 30, 1919, are appended hereto.

P. J. CAWLEY,

Assistant Superintendent.

DETAILED STATEMENT of Expenditures on the Middle Division of the Canals, by D. S. Burleigh, Assistant Superintendent of Public Works, under Chapter 151, Laws of 1918, from July 1, 1918, to February 23, 1919

ITEMS	Middle Division	ERIE CANAL			Oswego canal	Cayuga and Seneca canal	Black River canal	Totals
		Section 5	Section 6	Section 7				
General supervision	\$9,001 16							\$9,001 16
General field and shop force:								
Salaries, regular	7,822 05							7,822 05
Wages, regular	9,761 51							12,739 55
Reservoir division	562 50	1,237 50	712 50	150 00	\$163 63	\$33 00	\$544 00	3,431 78
Boat crews division	8,834 43	7,239 75	1,365 73	1,639 13	1,261 66	165 60	769 28	20,556 40
Miscellaneous	368 00	983 90						1,350 90
Section maintenance forces	353 75	7,113 64	4,433 53	2,479 33	463 60	2,986 27	7,575 75	25,416 46
Additional clerk hire and temporary service	14 68							14 68
Maintenance and operation:								
Fuel, light, power and water	1,553 30	851 71	241 05	516 07	851 94	925 69	82 55	5,322 94
Advertising		49 50	58 61	27 36	74 51	29 00	78 90	325 98
Equipment	6,215 49	205 30		55 50		46 00		6,536 29
Supplies	7,905 11	1,323 62	871 82	505 82	622 97	463 07		11,694 41
Material	13,678 87	6,015 64	4,307 44	114 06	562 83	98 13	4,110 57	29,237 62
Traveling expenses	5,240 49	863 00	410 87	104 85	317 98	467 07	514 22	7,918 49
Communication	1,227 57	455 06	94 30	95 45	461 77	112 46	90 85	2,537 36
Rent				48 00	72 00			120 00
General plant service:								
Premium on bonds							12 00	12 00
Repairs, chapter 151, Laws of 1918, part 3	8,232 17		55 60	3 45	971 50	67 50	937 79	10,268 01
Repairs, chapter 181, Laws of 1917, part 3	935 28	665 31	31 00			100 00		1,731 59
Construction or permanent betterments, chapter 181, Laws of 1917, part 3								
For the purchase or construction of new floating plant...	5,693 43							5,693 43
For straightening and cleaning out Bell's creek, town of Schroepfel	794 40							794 40
Construction or cleaning out of drainage ditches			376 40		176 30			376 40
Construction or permanent betterments, chapter 151, Laws of 1918, part 3								
Removal of bridges over abandoned canal				3,053 71		811 60		3,870 31
For construction of cottages at locks in isolated places for housing lock forces	285 00	7,492 29	91 20					8,328 49
For purchase or construction of small motor boats			450 00					450 00
	\$98,329 24	\$35,005 47	\$15,194 96	\$9,691 16	\$6,000 85	\$6,313 39	\$14,715 91	\$175,261 00

DETAILED STATEMENT OF Expenditures on the Middle Division of the Canals, by D. S. Burleigh, Assistant Superintendent of Public Works, under Special Appropriations, from July 1, 1918, to February 23, 1919

ITEMS	Middle Division	ERIE CANAL			Oswego canal	Cayuga and Seneca canal	Black River canal	Totals
		Section 5	Section 6	Section 7				
Reddredging in Barge canal channel (chapter 147, Laws of 1903).....	\$7,677 04		.....	.....	.....	.....	\$7,677 04
Furnishing towing service (chapter 237, Laws of 1917).....	280 00		.....	.....	.....	.....	1,232 50
Opening of ditch at Montezuma (chapter 147, Laws of 1903).....		\$1,012 50	.....	.....	.....	.....	832 33
Repairing stop-gates at Rome (chapter 147, Laws of 1903).....	1,601 04	.....	\$832 33	.....	.....	.....	1,601 04
Repairs to guard gates, Junction lock, Rome (chapter 147, Laws of 1903).....	747 55	.....	.....	.....	.....	.....	747 55
.....	\$10,395 63	\$1,012 50	\$832 33	.....	.....	.....	\$12,150 46

DETAILED STATEMENT OF Expenditures on the Middle Division of the Canals, by P. J. Cawley, Assistant Superintendent of Public Works, under Chapter 151, Laws of 1918, from February 24, 1919, to June 30, 1919

ITEMS	Middle Division	ERIE CANAL			Oswego canal	Cayuga and Seneca canal	Black River canal	Totals
		Section 5	Section 6	Section 7				
General supervision	\$5,358 42							\$5,358 42
General field and shop force:								
Salaries, regular	4,729 95							4,729 95
Wages, regular	4,551 15							4,551 15
Reservoir division	337 50	\$350 00	\$1,355 75	\$18 00	\$73 00	\$185 50	\$13 50	6,546 90
Boat crews division	3,249 78	742 50	427 50	90 00				2,028 21
Miscellaneous	186 00	2,407 90	592 30	22 40	1,102 42		430 71	7,374 60
Section maintenance forces	1,965 45	6,378 66	2,335 43	1,297 84	632 40	1,452 90	3,619 50	9,711 82
Maintenance and operation:								
Fuel, light, power and water	1,146 93	232 80		59 10	481 76	218 78	53 90	2,193 27
Advertising		27 75	36 36	21 36	51 36	34 50	16 81	187 14
Materials	7,019 30	1,235 26	1,539 23		118 35	988 00	157 50	11,117 64
Supplies	9,176 34	1,733 47	2,062 00	577 06	1,710 24	794 58	153 95	16,079 61
Traveling expenses	3,131 70	235 95	169 05	77 89	240 95	225 28	136 94	4,277 78
Communication	1,049 51	457 27	110 56	80 69	353 87	83 26	46 30	2,161 16
Rent				42 84	105 00			147 84
General plant service:								
Aids to navigation	733 91	148 30	541 88	139 24	986 42			1,894 75
Insurance on automobiles	101 50							101 50
Insurance on motor truck	126 79							126 79
Additional clerk hire and temporary service	54 38							54 38
Repairs (chapter 151, Laws of 1918, part 3)	11,138 65	8,132 32	1,128 61	226 15	1,316 96	510 20	4,787 19	21,338 87
Repairs (chapter 151, Laws 1917, part 3)	1,395 02	2,684 49	752 80	21 68	427 32		157 97	5,639 28
Construction or permanent betterments:								
Removal of bridges over abandoned canal				3,113 11		1,011 54		4,124 65
Construction of cottages at locks and lock houses		35 20						35 20
Erection of cottages at locks in isolated places for housing lock forces		2,539 14						2,539 14
Extension of telephone service to new canal structures	52 83							52 83
Cleaning out drainage ditches								362 60
	\$55,768 07	\$23,257 24	\$11,041 38	\$5,587 33	\$6,192 44	\$5,504 54	\$9,565 27	\$116,916 27

DETAILED STATEMENT OF Expenditures on the Middle Division of the Canals, by P. J. Cawley, Assistant Superintendent of Public Works, under Special Appropriations, from February 24, 1919, to June 30, 1919

ITEMS	Middle Division	ERIE CANAL			Oswego canal	Cayuga and Seneca canal	Black River canal	Totals
		Section 5	Section 6	Section 7				
Reddiging in Barge canal channel (chapter 147, Laws of 1913)		\$6,371 35	.....	.....	\$104 03	.....	.....	\$6,475 38
Stopping leak at Junction lock, Rome (chapter 147, Laws of 1913)		177 95	.....	.....	.....	.....	.....	177 95
.....		\$6,553 33	.....	.....	\$104 03	.....	.....	\$6,653 33

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to March 31, 1919, both inclusive, on Section No. 5, Erie Canal, in charge of John C. Dillon, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Lock-tending (exclusive of oil).....	\$19,403 03
Farm bridges (wood).....	53 55
Farm bridges (iron).....	763 94
Road bridges (wood).....	150 30
Watching canal	2,621 16
Superintendent of repairs.....	1,336 50
Disbursing clerk	801 29
Janitress	74 97
Watchman, shop	450 00
Buoy lights	983 33
Feeder tender	325 00
Repairing freight conveyor at Rome.....	22 50
Raising sunken boats at Oriskany.....	37 50
Laying up Bridge No. 59 for winter.....	15 00
Lowering East and West Rome guard-gates.....	15 00
Taking down cranes at Utica and Rome.....	60 00
Removing engines from boats.....	37 50
Removing valves from lift bridges.....	105 00
Repairing tumble gate at Rome west junction lock....	22 50
Gate tender	299 97
Laying new pipe, Bridge No. 16, Schuyler street.....	60 00
Putting in screen and pump crane at Utica.....	63 75
Putting in needle beams, Bridges Nos. 33 and 37....	34 65
Repairs to Waste Weir No. 1.....	37 50
Repairing windows and doors, Utica warehouse.....	76 75
Total	\$27,850 69

REPAIRS AND IMPROVEMENTS

The following bridge floors and railings were repaired: Broad street bridge, No. 4; John street bridge, No. 7; Genesee street bridge, No. 8; First street bridge, No. 6; Seneca street bridge, No. 10; Washington street bridge, No. 11; Broadway foot bridge, No. 12; Hotel street bridge, No. 9; Whitesboro street

bridge, No. 14; Schuyler street bridge, No. 16; Jason street bridge, No. 17; Yorkville road bridge, No. 19; Westmoreland bridge, No. 21; Peterboro street bridge, Canastota, No. 59; Grove Springs road bridge, No. 47.

Grove Springs road bridge was replaced with a new bridge.

Screen and pump were put in crane at Utica.

New pipe line was laid in John street bridge, No. 7.

Doors and windows were repaired in Utica warehouse.

Needle beams were put into Bridges Nos. 33 and 37, Greenfield road bridge and George street bridge, Rome.

Valves and counterweights were removed from lift bridges in Utica.

Repairs were made to Waste Weir No. 1.

Repairs were made on tumble gate, Rome, west junction lock and freight conveyor, Rome.

JOHN C. DILLON,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, April 1, 1919, to June 30, 1919, both inclusive, on Section No. 5, Erie Canal, in charge of Albert Geiersbach, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Locks	\$6,728 33
Farm bridges (wood)	182 00
Road bridges (iron)	506 10
Watching canal	1,200 00
Repairing Oriskany aqueduct	72 10
Superintendent of repairs	445 50
Disbursing clerk	274 98
Janitress	25 03
Watchman, shop	150 00
Buoy lights	400 00
Feeder tending	130 00
Gate tender	100 03
Removing temporary dams	103 00
Repairing Taintor gates	82 40
Repairs to Waste Weir No. 1	51 50
Total	\$10,450 97

REPAIRS AND IMPROVEMENTS

The following floors and rails were repaired on bridges: Broad street bridge, No. 4; John street bridge, No. 7; Seneca street bridge, No. 10; Broadway foot bridge, No. 14; Yorkville road bridge, No. 19; Stacey's Basin road bridge, No. 48; State road bridge, No. 54; Main street bridge, Durhamville, No. 55; Lenox basin bridge, No. 58.

Repairs were made to Taintor gates, Oriskany aqueduct, and Waste Weir No. 1.

Temporary dams were removed.

ALBERT GEIERSBACH,
Superintendent.

198 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 23, 1919, both inclusive, on Section 6, Erie Canal, in charge of E. J. Clark, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Lock tending, Barge canal (exclusive of oil)	\$8,180 03
Lock tending, Erie and Oswego canals	4,833 20
Lock gates, repairs	9 00
Bridge repairs (farm, road and towpath)	310 50
Buoy light tenders, Barge canal	2,587 07
Watching canal, Oswego and Erie	2,639 95
Superintendent of repairs	1,161 48
Disbursing clerk	639 73
Repair and inspection of bridges (during closed season)	180 00
Cleaning culverts	36 00
Repairs to aqueducts and waste weirs	18 00
Repairs to dams	4 50
Cutting weeds and brush, Oswego canal	40 00
Cleaning ditches	112 50
Repairs to locks, Barge canal	54 00
Closing canal	9 00
Total	\$20,815 46

REPAIRS AND IMPROVEMENTS

During the season a new foot bridge was constructed at Lock No. 1, Oswego canal. New floors were placed on the following bridges: Clinton street, Catherine street, Geddes street, Division street, Crouse avenue, Van Vleck's road, and Brown's bridge at Orville feeder. In addition to the new floor, joists were placed on the Division street bridge and Brown's bridge at Orville feeder.

New sidewalks were laid on the north side of the James street bridge, on the Warren street bridge and on the First Ward hoist bridge. It was necessary to place new pillows under the New Boston bridge and under the foot bridge at Lock No. 3. On the Greenpoint bridge the sway rods were in poor condition and were

replaced by new rods. Sway rods have been tightened on all bridges of the section. Minor repairs were made to many bridges.

At Lock No. 2, Oswego canal, the upper gates were reset. New guardrails were erected along the lock approach and new bunting girts were placed on lock gates at Lock No. 24, Barge canal. Minor repairs were made on the other locks of the Erie and Oswego canals.

The cleaning of the ditch west of Burdick's farm bridge was done by the scow crew. During early August the ditch east of White's bridge was cleaned by the scow crew and during the latter part of September this work was carried on to the west of this bridge. The scow crew also cleaned the ditch between Bolivar and Chittenango.

Mud and refuse was removed from the Canaseraga culvert.

Weeds and brush were cut along both sides of the Liverpool level, Oswego canal.

E. J. CLARK,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 24, 1919, to June 30, 1919, both inclusive, on Section 6, Erie Canal, in charge of Walter H. Scammell, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Lock tending, Barge canal (exclusive of oil)	\$4,005 94
Locktending, Erie and Oswego canals	1,530 22
Lock gates, repairs	103 50
Bridge repairs (farm, road and towpath)	103 50
Repairing towpath and berme bank (not including repairs to slope walls)	22 50
Buoy light tenders, Barge canal	910 87
Watching canal, Erie and Oswego	947 27
Superintendent of repairs	620 52
Disbursing clerk	383 05
Repair and inspection of bridges (during closed season)	175 00
Cleaning creeks	4 50
Cleaning culverts	4 50
Cleaning bottom of canal during spring repairs	27 00
Grading near State shop	22 50
Repairs to Orville feeder	18 00
Total	\$8,878 87

REPAIRS AND IMPROVEMENTS

A new floor was placed on the Chittenango bridge. Minor repairs were made on several bridges of the section.

Bloody Brook culvert and Bear Trap brook were cleaned of mud and refuse by the scow crew.

Minor repairs were made to the locks on the Erie and Oswego canals.

At the State shop the scow crew did a small job of grading.

Before the opening of navigation the canal bed and towpath were cleaned where necessary.

At close of navigation all banks were in good condition.

WALTER H. SCAMMELL,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to October 31, 1918, both inclusive, on Section No. 7, Erie Canal, in charge of A. B. Hallett, Superintendent of Repairs.

ITEMS	Total expenditures
Lock tending (exclusive of oil), Barge canal.....	\$2,408 65
Aqueducts	10 50
Road bridges (wood).....	168 00
Road bridges (iron).....	26 25
Barge canal bridges (iron).....	14 00
Dams (feet, 377), moveable.....	10 50
Docking, Barge canal.....	21 00
Feeder tender	54 00
Other miscellaneous expenditures.....	66 50
Mowing weeds	33 25
Buoy lights	21 00
Buoy light tenders.....	1,200 00
Superintendent of canal repairs.....	594 00
Disbursing clerk	366 67
Total.....	\$4,994 32

ANNUAL REPORT, showing the different items of expenditure and the cost of each, November 1, 1918, to March 15, 1919, both inclusive, on Section No. 7, Erie Canal, in charge of A. J. Wesley, Superintendent of Repairs.

ITEMS	Total expenditures
Lock tending (exclusive of oil).....	\$1,725 38
Lock helpers	232 26
Buoy light tenders.....	319 35
Bank watching	25 00
Carpenters	91 00
Superintendent of canal repairs.....	665 85
Disbursing clerk	350 29
Total.....	\$3,409 13

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ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 16, 1919, to June 30, 1919, both inclusive, on Section No. 7, Erie Canal, in charge of Daniel Farrell, Superintendent of Repairs.

ITEMS	Total expenditures
Lock No. 25	\$520 85
Lock tending	768 54
Lock helpers	417 33
Tending buoy lights.....	548 38
Bank watching	60 00
Carpenter	169 75
Superintendent of Canal repairs.....	522 15
Total.....	\$3,007 00

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to October 31, 1918, both inclusive, on the Oswego Canal, in charge of M. A. Stranahan, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1918.

ITEMS	Total expenditures
Locks	\$15,789 79
Superintendent of repairs.....	479 03
Disbursing clerk	300 00
Gate tenders	520 00
Light tenders	800 00
Bridge tenders	900 00
Total.....	\$18,788 82

REPAIRS AND IMPROVEMENTS

The capstans at Locks Nos. 2 and 3, Fulton, and Locks Nos. 6 and 8, Oswego, were taken out of the lock walls, and the space caused thereby on each lock was filled with concrete. The capstans were placed on the walls.

New storehouse was built at Lock No. 5, Minetto.

Magnet coils on bascule bridge, Phoenix, were repaired and varnished.

M. A. STRANAHAN,
Superintendent.

204 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

ANNUAL REPORT, showing the different items of expenditure and the cost of each, November 1, 1918, to February 23, 1919, both inclusive, on the Oswego Canal, in charge of H. C. Webb, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Locks	\$9,605 20
Superintendent of repairs.....	519 75
Disbursing clerk	320 81
Gate tenders	455 00
Light tenders	180 00
Bridge tenders	187 50
Bridge watchman	102 00
Total.....	\$11,370 26

REPAIRS AND IMPROVEMENTS

Water wheels at Lock No. 7 were repaired.

Water wheels and generators at Lock No. 2, Fulton, were repaired.

Taintor gates at Lock No. 2, Fulton, were repaired.

H. C. WEBB,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 24, 1919, to June 30, 1919, both inclusive, on the Oswego Canal, in charge of P. J. O'Brien, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

ITEMS	Total expenditures
Locks	\$14,160 77
Superintendent of repairs.....	668 25
Disbursing clerk	29 46
Gate tenders	585 00
Light tenders	400 00
Bridge tenders	446 37
Bridge watchman	150 00
Total.....	\$16,439 85

REPAIRS AND IMPROVEMENTS

During the winter all buoys were scraped and painted.

Prior to the opening of navigation buoys and shore lights were placed along the section where it was necessary to show the location of the channel.

The equipment of the locks at Fulton and Oswego were painted.

Head gates at Fulton, west side, at Oswego Falls dam, were repaired.

Generator at Lock No. 7, Oswego, was rewound and repaired.

Lock No. 7 at Oswego was rewired.

New cement walk was built at Lock No. 8, Oswego.

The State ditch south of Fulton was thoroughly cleaned.

Big bascule bridge, Phoenix, was repaired and painted.

Roadway, at site of old canal bridge at the North road, Hinmanville, was filled in and repaired.

P. J. O'BRIEN.

Superintendent.

206 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 26, 1919, both inclusive, on the Cayuga and Seneca Canal, in charge of George A. Dobson, Superintendent of Repairs.

ITEMS	Total expenditures
Lock tending	\$12,314 78
Buoy light tender	450 00
Disbursing clerk	687 45
Bridge watch	225 00
Carpenter work	462 00
Superintendent of repairs.....	1,113 75
Total.....	\$15,252 98

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 27, 1919, to June 30, 1919, both inclusive, on the Cayuga and Seneca Canal, in charge of Clifford L. Beare, Superintendent of Repairs.

ITEMS	Total expenditures
Lock tending	\$6,563 86
Buoy light tender.....	200 00
Disbursing clerk	412 55
Bridge watch	135 00
Carpenter work	178 50
Superintendent of repairs.....	668 25
Total.....	\$8,158 16

REPORT OF SUPERINTENDENT OF PUBLIC WORKS 207

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to February 28, 1919, both inclusive, on the Black River Canal, in charge of Fred. M. Woolley, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1918.

STRUCTURES OR WORKS, ETC.	Whole number on section	Total expenditures
Locks	107	\$36 00
Lock tending (exclusive of oil) . . . . .	.....	11,124 34
Lock-gates	379	184 00
Aqueducts	5	.....
Waste-weirs	11	.....
Culverts	19	.....
Farm bridges (wood)	37	83 00
Road bridges (wood)	11	144 00
Road bridges (iron)	18	53 00
Towpath bridges (wood)	2	.....
Towpath bridge (concrete)	1	.....
Towpath bridges (iron)	2	.....
State scow	1	.....
Small boat	1	.....
Lock-houses	54	.....
Work-shops	2	24 00
Watch-houses	3	.....
Timber-shed	1	.....
Repairs of breaches . . . . .	.....	8 00
Watching canal . . . . .	.....	918 36
Other work of consequence which does not come under any of the above heads, viz.:		
Unloading and piling lumber . . . . .	.....	36 00
Repairing hoisting engine . . . . .	.....	12 00
Removing old scow from bed of canal . . . . .	.....	8 00
Filling sink holes on towpath . . . . .	.....	12 00
Bracing locks for winter . . . . .	.....	8 00
Bringing scow from Lyons Falls to Boonville . . . . .	.....	8 00
Framing mitre sills . . . . .	.....	16 00
Superintendent of canal repairs . . . . .	.....	1,188 00
Disbursing clerk . . . . .	.....	733 28
Janitress . . . . .	.....	20 80
Watchman, State shop . . . . .	.....	300 00
Tending Delta reservoir . . . . .	.....	560 00
Tending Alder Creek reservoir . . . . .	.....	240 00
Bridge tending . . . . .	.....	483 34
Bank watching . . . . .	.....	966 70
Total . . . . .	.....	\$17,166 82

REPAIRS AND IMPROVEMENTS

The following new bridges were framed and erected: Tuttle Farm Bridge No. 32, wood; Pixley Farm Bridge No. 33, wood; Denslow Farm Bridge No. 43, wood; Riley Farm Bridge, Forestport feeder, wood; Diefendorf Road Bridge No. 31, wood.

The following old bridges were repaired: North Street Bridge No. 52, road, iron; Main Street Bridge No. 51, road, iron; Lobdell Farm Bridge No. 73, farm, wood; Forestport Bridge No. 77, farm, wood; Dustin Farm Bridge No. 78, farm, wood; Beeches Bridge No. 62, road, iron; Illingsworth Bridge No. 63, road, wood; Castorland Bridge No. 65, road, iron; Carthage Bridge No. 66, road, iron; Erwin Bridge No. 68, road, wood; Nugent Farm Bridge No. 69, farm, wood; Baker Farm Bridge No. 32, farm, wood; Jackson Farm Bridge No. 37, farm, wood; Murphy Farm Bridge No. 36, farm, wood; Slocum Farm Bridge No. 74, farm, wood.

Some new docking was constructed and other docking repaired where necessary. One breach was repaired, and the canal and all structures thereon have been carefully inspected and many general repairs of a minor nature have been made. The canal has been constantly navigable in all sections during open season.

Five new wood bridges (four farm and one road) were erected to replace old structures.

Weeds and brush along the canal were cut and burned.

All lock houses were inspected and minor repairs made where necessary.

FRED. M. WOOLLEY,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 1, 1919, to June 30, 1919, both inclusive, on the Black River Canal, in charge of J. H. Carroll, Superintendent of Repairs; also a statement of Important Repair and Improvement Work completed during the year 1919.

STRUCTURES OR WORKS, ETC.	Whole number on section	Total expenditures
Locks	107	.....
Lock tending (exclusive of oil) . . . . .	.....	\$2,298 33
Lock-gates	379	52 00
Aqueducts	5	.....
Waste-weirs	11	.....
Culverts	19	.....
Farm bridges (wood)	37	30 00
Road bridges (wood)	11	6 00
Road bridges (iron)	18	4 00
Towpath bridges (wood)	2	.....
Towpath bridge (concrete)	1	.....
Towpath bridges (iron)	2	.....
State scow	1	.....
Small boats	1	.....
Lock-houses	54	.....
Work-shops	2	.....
Watch-houses	3	.....
Timber-shed	1	.....
Repairs of breaches . . . . .	.....	8 00
Watching canal . . . . .	.....	190 00
Other work of consequence which does not come under any of the above heads, viz.:		
Superintendent of canal repairs . . . . .	.....	594 00
Disbursing clerk . . . . .	.....	274 98
Janitress, superintendent of repairs office . . . . .	.....	10 40
Tending Delta reservoir . . . . .	.....	280 00
Tending Alder Creek reservoir . . . . .	.....	120 00
Watchman, State shop . . . . .	.....	150 00
Bank watching . . . . .	.....	200 00
Bridge tending . . . . .	.....	100 00
Total . . . . .	.....	\$4,317 71

REPAIRS AND IMPROVEMENTS

The following new bridge was framed and erected: Post farm bridge No. 54, wood.

The following bridges were repaired: Ebert road bridge No. 79, wood; Schuyler street bridge No. 40, Boonville, iron; Post farm bridge No. 60, wood.

One breach in towpath was repaired between Locks Nos. 46 and 47. Several minor repairs were made to lock houses and other bridges not specifically mentioned. Considerable work was required on towpath on sink holes, etc., made necessary by excessive spring rains.

The canal and all structures thereon were frequently inspected and a considerable amount of general repair work was done on the whole line of canal.

Navigation has gone on uninterruptedly during the open season.

J. H. CARROLL,
Superintendent.

WESTERN DIVISION

REPORT OF THE ASSISTANT SUPERINTENDENT OF PUBLIC WORKS

OFFICE OF THE

ASSISTANT SUPERINTENDENT OF PUBLIC WORKS,

ROCHESTER, N. Y., *December 31, 1919.*

Hon. E. S. WALSH, *Superintendent of Public Works, Albany,
N. Y.:*

DEAR SIR.—I have the honor to submit herewith the annual report of the Western Division, New York State canals, for the year of 1919.

The various works of improvement and repair applied to the canal during the past year, and elsewhere detailed, show to what extent the condition of the canal structures has been bettered.

In accordance with the official notices given by you, navigation was opened on May 15th and closed on November 29th. For a period of two weeks after the opening, navigation across the Genesee river was retarded by the flood waters carrying away a part of the temporary dam at Elmwood avenue, Rochester. Although a number of other delays to navigation were caused by various reasons, none were serious, as in each case the reason was quickly found and the remedy applied.

A considerable amount of dredging was done at different points on this division during the season to maintain the normal depth of water and the easy use of the canal as a waterway. Such work is, however, of necessity but a small part of the total requirement in this direction, and I am hereinafter repeating former recommendations of my own, as well as other Assistant Superintendents, to the effect that this division be provided with suitable floating equipment to do the dredging which we have every reason to believe will be necessary in the future.

In addition to the work referred to above may be mentioned the removal of old bridges over the abandoned canal on Section No. 8,

and the substitution of an earth fill in each case to carry the highway across. These are enumerated elsewhere.

Serious slides and leaks developed at various points, but through the prompt reports from patrolmen, we were able to repair the same before they attained dangerous proportions. A large number of bars which were a menace to navigation have been removed from the canal, and I hope this work will be continued and finished, so far as this division is concerned, during the coming year.

Considerable repair work and replacements have been necessary on the lift bridges in the city of Rochester, as owing to the old canal being abandoned at an early date, as little outlay as possible has been the rule on these bridges during the past four or five years. A number of these bridges will require very extensive repairs if they are to be kept in commission during the season of 1920.

The following is a detailed summary of the repairs made:

GENERAL IMPROVEMENTS ON THE WESTERN DIVISION, NEW YORK STATE CANALS, FROM JANUARY 1, 1919, TO DECEMBER 31, 1919.

WESTERN DIVISION

The Western Division shop force performed the following work:

Erected shed between shop and cement house for use as blacksmith shop; hung shafting and set machines in shops; removed line fence; moved and replaced derrick in State yard; this work being incidental to moving State buildings to new location in State yard.

Work benches were made for use at Barge canal locks on Section No. 9.

Removed turbine from pit of old State shop building.

Built temporary garage for Western Division automobile.

Built addition to shelter house at west guard lock.

Repaired and caulked derrick boat, flat scow and three dump scows.

In addition to the above specific work, the Western Division shop force was employed during the year preparing material for general repairs to bridges and other structures on the division,

making and repairing tools, making repairs to floating equipment and other general repair work.

Weeds and brush were cut where necessary on all the sections during the season of navigation.

Tug "Flower City" was employed during the season in delivering materials and towing boats on division.

The following labor was performed by the bridge repair men:

Machinery on the lift bridges was overhauled where necessary during the closed season, and put in shape for operation.

New pull down cables were installed on Exchange street lift bridge No. 72, at Rochester.

The bull gear shaft on West avenue bridge No. 77, Rochester, was broken; also two $\frac{3}{4}$ -inch lifting cables. New shaft and cables were installed.

A counter-shaft and four bearing boxes were broken on Plymouth avenue bridge No. 74, Rochester. New shaft and boxes were installed.

Wiring for electric lights was installed on the Park avenue, Brockport, and Adams Basin bridges.

The lifting pinion shaft on the Adams Basin lift bridge was twisted off on August 28. The bridge was jacked up full height and a new shaft is now being installed.

A wooden chord, arch shape, with tie rods, was built over the cast-iron truss on Bridge No. 58, east of Rochester, to strengthen the bridge. This was also done at Upper Grand Island Ferry bridge No. 186, near Buffalo.

All general repairs were performed where necessary and lift bridges were closed down at the close of navigation season.

Work was performed by the Derrick boat as follows:

Removed bars from canal in vicinity of Pittsford; at Fairport and Macedon; at Waynesport; east of Lock No. 29 and east of Lock No. 30.

Raised Central Dredging Company's scow at Clyde.

Unloaded gravel at Locks Nos. 28-A and 29.

Loaded and unloaded gravel for repairs to culvert at Bridge No. 40.

Section No. 8

The following bridges over the abandoned canal were removed and an earth fill substituted to carry the highway across: Nos. 1, 2, 3, 6, 7, 8, 9, 10, 11 (farm bridge), 12, 13, 14 and 21.

Completed taking down bridges at Water street and Montezuma street, Lyons.

Repaired driveways of Bridge No. 6 and Clyde River bridge at Clyde.

Removed logs and stumps from prism of canal between Monroe county line and Barge canal lock No. 30, and between east Wayne county line and Barge canal lock No. 27.

Reset buoy lamp posts between Lyons and east Wayne county line where necessary.

Raised Peaks' spillway to avoid flooding of lands in the vicinity.

Derrick erected at by-pass at Macedon.

Coal bin built at Newark for the purpose of coaling towing tugs.

Repaired concrete walk approach to Railroad avenue bridge, Palmyra.

Graveled approaches to bridges as follows: Wayneport, Freer's, Railroad avenue, Palmyra, Creeger's and No. 40.

Resurfaced concrete floor in power-house at Barge canal lock No. 28-B, and cleaned out lock.

Cleaned ditch and laid tile to prevent flooding on lands of William DeJohn, near Peak's bridge.

Dredged out bars from canal east of Barge canal lock No. 27, at Lyons; work performed by hydraulic dredge Ontario II, which was rented for this purpose.

Section No. 9

Repaired planking on the following bridges: Nos. 50, 53, 58, 60, 61, 62, 64, 66, 68, 69, 72, 73, 74, 75, 77, 78, 80, 82, 84, 85, 89, 91, 107, 108, and Scottsville Road Barge canal bridge.

Replanked Bridge No. 53 and placed asphalt and crushed stone on roadway.

Replanked Chili Avenue Barge canal bridge and crowned same with asphalt.

Repaired railing on Alexander street bridge No. 67.

Replanked Lyell avenue bridge No. 84, and placed new joists on same.

Caulked seams in concrete walls at Bushnell's Basin flume.

Repaired towpath bank between Spencerport and Adams Basin, where bank had cracked and settled.

Repaired leak on berme side of Barge canal near junction lock.

Set telephone poles between Henrietta road and East guard lock to provide telephone service at lock.

Cleaned out ditch on land of Henry Baird, Adams Basin.

Placed core of clay in towpath 150 feet long and six feet deep, and excavated and relaid 300 feet of tile to stop leakage onto lands of P. N. Hackett, Pittsford.

Made necessary repairs to hull and equipped with Gray motor launch for use of lockmaster.

Set buoys in Barge canal in vicinity of Henrietta road, and between Cartersville and Bushnell's Basin.

Removed plumbing fixtures from buildings appropriated for terminal purposes at Rochester.

Removed old tug and boat from canal at Bushnell's Basin.

Destroyed and removed old boat under Bridge No. 78.

Removed dam at junction of Barge canal and old Erie canal at King's Bend.

Removed débris and stone from canal prism in village of Fairport; between Eastern Wide Waters and Bridge No. 65; between weighlock and Bridge No. 80, and between Bridge No. 80 and Western Wide Waters.

Removed old canal boat from canal one-half mile east of Brockport, and cleaned up canal prism through the village of Brockport.

Unloaded stone from sunken scow and removed clay from canal prism at South Greece.

Repaired leak in old canal at Ravine avenue, Rochester, and at Cooley's Basin.

Cut off leak from canal east of Cooley's Basin bridge.

Repaired miter sills, rods, etc., at old Locks Nos. 62, 63, 64, 65 and 66.

Laid up dry walls of canal at following points: One hundred feet east of Bridge No. 59, and fifty feet west of Bridge No. 59; 250 feet west of Meigs street bridge No. 65 on berme side; at Bridges Nos. 74, 81, 84 and 86.

Section No. 10

Replanked Bridges Nos. 144, 165, 166, 167 and 168.

Repaired planking on the following bridges and repaired approaches where necessary: Nos. 117, 118, 120, 121, 122, 123, 124, 125, 126, 128, 129, 130, 131, 133, 134, 135, 136, 137, 138, 140, 140½, 144, 145, 151, 157 and 159.

Repaired block pavement on Main street bridge No. 163, Lockport.

Repaired bridge over State ditch between Bridges Nos. 166 and 167, and highway bridge over State ditch on Ridge road, in town of Pendleton.

Repaired approach to Bridge No. 165.

Removed run-around from towpath at Bridges Nos. 156 and 159.

Repaired planking over Oak Orchard creek feeder in village of Medina.

Repaired slide in towpath west of Bridge No. 119.

Cleaned out ditch on south side of canal at Gaines' Basin.

Repaired pump boat and scows "Lockport" and "Albion."

Placed boom logs between Combined Locks and Bridge No. 164½.

Laid cement walk on East Holley street, Holley, paralleling old canal.

Repaired fence at State yard.

Repaired stone drain at Albion to prevent berme bank from being undermined.

Removed loose concrete, silt, etc., from Lock No. 35.

Painted office buildings.

Cleaned and painted Barge canal bridges Nos. 116 to 124, inclusive.

Ditching was performed as follows:

Excavated and placed tile for drainage along north bank of towpath between Chapel and Exchange streets, Lockport, to care for leakage.

Cleaned out ditch east of east end of Holley trough and extending to creek.

Deepened existing ditch west from Culvert No. 72 to prevent leakage on lands of Frank Sharping, Albion.

Dug ditch to carry away seepage from canal on lands of Thomas Patte, Holley, and on lands of Francis Reed, Knowlesville.

Other existing ditches were cleaned out where necessary.

Cut off leak from canal into Chadwick's quarry, and at Ryan's quarry, near Bridge No. 124.

Built retaining wall south of the cabinets at west end of Lock No. 35.

Rebuilt fallen walls on north side of Combined Locks.

Removed loose boulders from canal between Bridges Nos. 163 and 166, by blasting.

The following work was performed on this section by Dredge No. 2:

Removed old sunken canal boat from center of channel in vicinity of old Sulphur Springs guard lock.

Excavated 100 cubic yards of material from canal between Adams street, Lockport lift bridge and Lock No. 34, where bars had formed across the canal.

Raised sunken boat at Lockport.

Repaired valve on Lock No. 35.

Raised repair scow sunk in canal, and removed sunken yacht from canal at Lockport.

Section No. 11

Repaired planking of Bouck street bridge, Tonawanda, and Bridge No. 182.

Repaired Delaware avenue bridge, Tonawanda, and roadway of same.

Repaired Bridge No. 186.

Repaired slide at approach to Pickard's bridge.

Cleaned and painted Porter avenue bridge, Buffalo.

Repaired iron fence along canal between Main and Seymour streets, Tonawanda.

Repaired and painted fence around State yard at Tonawanda.

Filled up lot at Church property at Wendelville.

Repaired washout of embankment between Cornelius Creek and Riverside Park.

Repaired slide in towpath near Riverside Park.

Repaired bank and constructed fence on road along canal banks near Pendleton and New Home bridge.

The following work was performed by the pile-driver and Dredge No. 2, attended by the steamer "State of New York":

Drove piles and clusters of piles in Tonawanda creek, cut to height, and installed buoy lamp cages on same, to take the place of floating buoys in channel of Tonawanda creek.

Built coal chute under Delaware street bridge, Tonawanda, for the purpose of coaling towing tugs.

Wrecked and removed abandoned boat "Commack" in vicinity of Pendleton.

Wrecked abandoned dump scow in Ellicott creek.

Removed abandoned canal boats at Wickwire dock and between Wickwire dock and Cherry street bridge, Buffalo.

Removed sunken canal boat "Stranger" from Ellicott creek.

Drove new piling at Pickard's bridge.

Excavated 300 cubic yards of material from under New International Railroad bridge.

Wrecked and removed five abandoned canal boats in Tonawanda creek, and one tug and one scow near New International Railroad bridge.

Raised sunken canal boat "Happy Days" at Tonawanda.

The following dredging and other work was performed by the dredge "Empire State," assisted by the tug "Queen City."

Excavated material from canal prism at the following points: 4,650 cubic yards from Tonawanda creek at Nine Mile cut; 1,300 cubic yards from Slip No. 1, Buffalo; 900 cubic yards from Slip No. 2, Buffalo; 5,650 cubic yards from Erie canal between Mechanic and Genesee streets, Buffalo; 150 cubic yards 500 feet east of New Home bridge; 150 cubic yards one mile west of old Sulphur Springs guard lock; 1,100 cubic yards between May's creek and Pendleton bridge; 1,300 cubic yards east of Nine Mile cut; 600 cubic yards in vicinity of Pickard's bridge; 2,700 cubic yards in vicinity of New International Railroad bridge.

Removed temporary foot bridge from across Erie canal at Hertel avenue, Buffalo.

Removed sunken canal boat from center of old canal in Tonawanda.

Wrecked and removed abandoned boats "Black Rock" and "Tonawanda" from canal between Seymour street and Bouck street, Tonawanda.

Tug "Queen City" and steamer "State of New York" were employed during the season attending dredge "Empire State" and Dredge No. 2, towing excavated material to dumping grounds, towing and moving boats, and transporting material and supplies wherever necessary.

Chapter 147, Laws of 1903

Unloaded three cars of steel sheet piling at Cartersville, on site of Contract No. 63-A.

Took down old Sodus street bridge over Barge canal at Clyde and removed cribs.

Cleaned out ditch at foot of bank at South Greece in vicinity of Vick seed farm.

RECOMMENDATIONS

I respectfully submit the following recommendations for equipment, etc., needed on this division:

A new derrick boat equipped for clam-dredging and general work.

A new dipper dredge to take care of the dredging on Section No. 11.

Hydraulic pumping plant to be placed on Tonawanda creek to take material excavated by dipper dredge, and spoil the same in the old abandoned canal. In view of the fact that the Federal government will not allow dumping any place nearer than Woodlawn beach hereafter, some method must be adopted to save this thirty-two mile tow, or more tugs and dump scows will be necessary.

New steel tug to be provided with engine and boiler, and placed in commission by the opening of navigation next spring.

Pontoons equipped for use in raising boats liable to sink at any time are required, if we are to perform our duties to canal interests.

Dry docks are a necessity at the present time, and will become an absolutely necessary part of equipment in the near future, if the canals are to function as intended.

Site for Western Division shops and storage yard should be decided upon at as early a time as possible.

A new automobile for the division will be required early in the season of 1920.

I desire to call your attention to the recommendations of the engineer's department as to work on this division, particularly dredging, strengthening of banks and riprap.

Financial tables constituting a part of this report, showing the expenditures on this division for the fiscal year ending June 30, 1919, are appended hereto.

In closing this report I wish to acknowledge the hearty co-operation of the employees in this department, whose intelligent assistance and loyalty to the canal interests of the State contributed in such large measure to the success of my administration the past year.

CHARLES McDONOUGH,

Assistant Superintendent.

STATEMENT No. 1-A

DETAILED STATEMENT of Expenditures on the Western Division of the Canals, by Jacob Allmeroth, Assistant Superintendent of Public Works, in accordance with Chapter 151, Laws of 1918, for that part of the fiscal year extending from July 1, 1918, to March 18, 1919, inclusive

ITEMS	Western Division	FIRM CANAL				Total
		Section No. 8	Section No. 9	Section No. 10	Section No. 11	
Part I: Personal Service						
General Supervision: Salaries, regular.....	\$7,366 69	.....	.....	.....	.....	\$7,366 69
General field and shop force:						
Salaries, regular.....	7,044 97	.....	.....	.....	900 00	7,944 97
Wages, regular.....	5,698 75	.....	.....	.....	.....	5,698 75
Miscellaneous: Wages, temporary, patrolmen.....	877 17	.....	.....	.....	.....	877 17
Boat crews division: Wages, temporary.....	2,046 63	\$2,318 27	\$655 06	\$353 32	1,092 23	7,547 58
Section maintenance forces: Wages, temporary.....	.....	4,692 20	10,115 32	11,953 37	8,755 56	35,522 45
Maintenance and Operation						
Fuel, light, power and water.....	1,356 32	2,891 65	2,917 46	1,937 83	1,060 24	10,153 50
Advertising: Publishing abstracts of expenditures of section superintendents.....	2,893 11	40 11	95 86	72 36	25 00	233 33
Equipment.....	553 97	314 60	564 83	362 29	761 60	4,708 90
Supplies.....	3,529 43	1,301 35	895 93	1,581 40	914 59	7,346 81
Materials.....	6,047 79	1,071 72	848 50	1,030 70	271 12	10,464 00
Traveling expenses of other officials and employees.....	2,618 62	853 81	776 94	509 00	161 90	5,551 19
Communication.....	881 20	457 45	268 96	.....	.....	2,288 50
Part III: Repairs						
Repairs.....	383 69	1,982 66	14 90	179 90	1,022 78	3,583 93
Construction or permanent betterments:						
Removal of bridges over abandoned canal.....	.....	5,273 56	.....	.....	.....	5,273 56
For the construction or cleaning out of drainage ditches.....	.....	.....	218 70	3,049 61	.....	3,263 31
Total expenditures (chapter 151, Laws of 1918).....	\$41,346 37	\$21,002 90	\$17,523 66	\$22,633 25	\$15,227 36	\$117,733 54
Chapter 181, Laws of 1917						
Repairs (Part III).....	743 26	4,367 00	4,289 51	2,236 13	.....	11,635 90
Total ordinary expenditures for period stated above..	\$42,089 63	\$25,369 90	\$21,813 17	\$24,869 38	\$15,227 36	\$129,389 44

STATEMENT No. 1-B

DETAILED STATEMENT of Expenditures on the Western Division of the Canals, by Jacob Allmeroth, Assistant Superintendent of Public Works, under Special Appropriations, for that part of the fiscal year extending from July 1, 1918, to March 13, 1919, inclusive

ITEMS	Western Division	ERIE CANAL				Total
		Section No. 8	Section No. 9	Section No. 10	Section No. 11	
<i>Chapter 147, Laws of 1903</i>						
Barge Canal Contract No. 60:						
Ditching and tilling on Vick seed farm, and laying tile drain to stop leakage on Darrow farm, South Greece....			\$5,196 53			\$5,196 53
Barge Canal Contract No. 62-A:			2,522 07			2,522 07
Completing contract						
Barge Canal Contract No. 25-A:						
Erecting shelter houses on Barge Canal Locks Nos. 32 and 33 and East guard-lock			6,673 62			6,673 62
Barge Canal Contract No. 170:						
Moving lock-gates from Newark and Lock Berlin to Junction lock, South Greece			675 45			675 45
Barge Canal Contract No. 163:						
Repairs to wall at Clark's quarry				\$4,513 55		4,513 55
Barge Canal Contract No. 64:						
Laying the drain west of Watson's bridge, west of Mid-report, to repair leak				2,321 80		2,321 80
Barge Canal Contract No. 68:						
Ditching on Dickinson's and Menick property, in vicinity of Wakeman's bridge				414 23		414 23
Total expenditures under chapter 147, Laws of 1903....			\$15,067 72	\$7,249 58		\$22,317 30
<i>Chapter 746, Laws of 1911</i>						
Construction of Rochester terminal:						
Moving buildings, machinery, etc., to new location in State yard	\$10,019 52					10,019 52
Total expenditures under special appropriations.....	\$10,019 52		\$15,067 72	\$7,249 58		\$32,336 82

STATEMENT No. 2-A

DETAILED STATEMENT of Expenditures on the Western Division of the Canals, by Charles McDonough, Assistant Superintendent of Public Works, in accordance with Chapter 151, Laws of 1918, for that part of the fiscal year extending from March 15, 1919, to June 30, 1919, inclusive

ITEMS	Western Division	ERIE CANAL				Total
		Section No. 8	Section No. 9	Section No. 10	Section No. 11	
Part I: Personal Service						
General supervision: Salaries, regular	\$3,790 54					\$3,790 54
General field and shop force:						
Salaries, regular	3,414 03				\$400 00	3,814 03
Wages, regular	3,769 19					3,769 19
Miscellaneous: Wages, temporary, patrolmen	278 87					278 87
Boat crews division: Wages, temporary	113 46		\$454 42			5,613 50
Section maintenance forces: Wages, temporary		\$1,197 96	6,506 93	\$6,163 28	3,604 65	17,472 84
Maintenance and Operation						
Fuel, light, power and water	621 34	432 73	685 94	880 48	1,217 26	3,827 75
Advertising: Publishing abstracts of expenditures of section superintendents		34 11	71 96	46 11	25 00	177 08
Supplies	1,126 99	1,222 61	3,833 19	949 30	576 27	7,688 36
Materials	410 00	29 06	281 18	439 72	817 33	1,967 24
Traveling expenses of other officials and employees	1,928 24	454 48	354 43	234 00	289 46	3,258 61
Communication	415 86	123 62	104 66	124 64	68 00	836 56
Part III: Repairs						
Repairs	1,373 04	7,764 19	3,334 64	2,094 07	1,538 82	16,704 76
Construction or permanent betterments:						
Removal of bridges over abandoned canal		726 71				726 71
For the construction or cleaning out of drainage ditches		105 50				1,159 20
Total expenditures (chapter 151, Laws of 1918)	\$17,239 55	\$12,089 88	\$16,237 24	\$11,905 20	\$13,582 47	\$71,064 34
Repairs (Part III)						
Chapter 151, Laws of 1917						
Total ordinary expenditures for period stated above	\$17,239 55	\$12,089 88	\$16,237 04	\$13,161 46	\$13,891 47	\$73,770 40

STATEMENT No. 2-B

DETAILED STATEMENT of Expenditures on the Western Division of the Canals, by Charles McDonough, Assistant Superintendent of Public Works, under Special Appropriations, for that part of the fiscal year extending from March 15, 1919, to June 30, 1919, inclusive

ITEMS	Western Division	ERIE CANAL				Total
		Section No. 8	Section No. 9	Section No. 10	Section No. 11	
<i>Chapter 147, Laws of 1903</i>						
Barge Canal Contract No. 63-A:						
Completing contract .....	.....	.....	\$1,226 24	.....	.....	\$1,226 24
<i>Chapter 746, Laws of 1911</i>						
Construction of Rochester terminal: to new location in State yard:	\$1,305 48	.....	.....	.....	.....	1,305 48
Total expenditures under special appropriations	\$1,305 48	.....	\$1,226 24	.....	.....	\$2,531 72

SUMMARY OF STATEMENTS NOS. 1-A, 1-B, 2-A AND 2-B, showing Total Expenditures on the Western Division of the Canals, for the fiscal year extending from July 1, 1918, to June 30, 1919

ITEMS	Western Division	ERIE CANAL				Total	Grand totals
		Section No. 8	Section No. 9	Section No. 10	Section No. 11		
By Jacob Allmeroth, as Assistant Superintendent of Public Works, from July 1, 1918, to March 13, 1919: For ordinary expenditures under chapter 151, Laws of 1918, and chapter 181, Laws of 1917..... Under special appropriations, chapter 147, Laws of 1906, and chapter 746, Laws of 1911.....	\$42,039 63 10,019 52	\$25,369 90	\$31,813 17 15,067 72	\$24,899 38 7,249 58	\$15,227 36	\$123,369 44 32,536 52	\$161,706 36
By Charles McDonough, as Assistant Superintendent of Public Works, from March 13, 1919, to June 30, 1919: For ordinary expenditures under chapter 151, Laws of 1918, and chapter 181, Laws of 1917..... Under special appropriations, chapter 147, Laws of 1906, and chapter 746, Laws of 1911.....	17,239 55 1,305 48	12,069 88	16,978 04 1,226 24	13,151 46	13,891 47	\$73,370 40 2,531 72	75,902 12
Total expenditures on Western Division for fiscal year ending June 30, 1919.....	\$70,654 18	\$37,439 78	\$55,085 17	\$45,290 42	\$29,118 83	\$227,698 38	\$227,698 38

ANNUAL REPORT, *showing the different items of expenditure and the cost of each, July 1, 1918, to March 15, 1919, both inclusive, on Section 8, Erie Canal, in charge of E. J. Hedden, Superintendent of Repairs.*

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$1,262 25
Disbursing clerk	779 11
Lockmaster	1,204 88
Assistant lockmasters	5,654 11
Lock operators	9,609 74
Lock helpers	6,750 00
Patrolmen	1,500 00
Buoy light tender.....	500 00
Guard-gate light tender.....	100 00
Watchman (yard)	510 00
Carpenter (supervising forces).....	888 00
Total.....	\$28,758 09

ANNUAL REPORT, *showing the different items of expenditure and the cost of each, March 16, 1919, to June 30, 1919, both inclusive, on Section 8, Erie Canal, in charge of H. M. Littel, Superintendent of Repairs; also a statement of the Important Repair and Improvement Work completed during the year 1919.*

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$519 75
Disbursing clerk	320 89
Lockmaster	496 12
Assistant lockmasters	2,364 33
Lock operators	3,996 14
Lock helpers	2,182 07
Patrolmen	459 65
Buoy light tender.....	196 77
Guard-gate light tender.....	30 96
Watchman (yard)	210 00
Carpenter (supervising forces).....	320 00
Total.....	\$11,096 68

REPAIRS AND IMPROVEMENTS

Buoy Lamps

Many of the buoy lamp posts between Lyons and the eastern end of Section No. 8 were reset for the necessary and better protection of navigation.

Prism of Canal

Logs and stumps dangerous to navigation were removed from the prism of the canal from Barge lock No. 30 west through the Wayneport swamps and from Lock No. 27 east to the eastern end of Section No. 8.

Concrete Work

To eliminate claims for damages from the flooding yearly of the lands of the various property owners by the overflow of water from Peak's spillway and waste weir, the spillway was raised with concrete to the top of side walls and waste weir permanently closed with concrete. Also one-half of the concrete floor has been relaid in the power-house at Lock No. 28-B.

Bridges and Railings

All bridges on the section have been closely watched and immediate attention has been given to their repair when needed for public safety, and the approaches of nearly all of the bridges have been raised with gravel, all guard rails that were down have been rebuilt and painted and others repaired when necessary.

Ditching

Within the corporate limits of the village of Clyde between the Barge canal and the West Shore railroad tracks a ditch was dug to take care of a large accumulation of water in the back yards of property owners on the north side of Meadow street, caused by the stoppage of the main ditch by work done in the construction of the barge canal.

Removal of Bridges

Work commenced June 18th for the removal of twelve bridges, from Bridge No. 1 to and including Bridge No. 21, and making earth fills in their place for roadways across the abandoned Erie canal.

Barge Locks

On the Barge locks, buffer beams, Taintor gates, and the under water sections of the lock gates were cleaned and painted.

All under-water equipment in the power-houses was cleaned, inspected, repaired and painted by the lock forces.

There was no interruption to the functioning of the mechanical or electrical equipment.

Navigation

No interruption has occurred to navigation on this section.

H. M. LITTEL,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to December 31, 1918, both inclusive, on Section 9, Erie Canal, in charge of Peter W. Seiler, Superintendent of Repairs; also a statement of the Important Repair and Improvement Work completed during the year 1918.

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$891 00
Disbursing clerk	550 00
Lockmaster	850 50
Assistant lockmasters	2,477 71
Lock operators	3,309 88
Lock helpers	3,603 63
Patrolmen	2,157 42
Bridge tenders	10,932 67
Guard-gate tenders	1,670 97
Lock tenders	7,639 94
Carpenter (supervising force).....	720 57
Total.....	\$34,804 29

REPAIRS AND IMPROVEMENTS

Major repairs by carpenter force: Repairing spiking pieces and planking and coating with tar and stone Culver road bridge No. 62 and Spencerport bridge No. 98, replanking Clinton avenue bridge, Barge canal, repairing spiking pieces and planking Cobb's bridge No. 44, Knapp's bridge No. 43, Winton road bridge No. 61 and Main street bridge No. 77.

PETER W. SEILER,
Superintendent.

230 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

ANNUAL REPORT, showing the different items of expenditure and the cost of each, January 1, 1919, to February 28, 1919, both inclusive, on Section No. 9, Erie Canal, in charge of Jacob Allmeroth, Assistant Superintendent.

SALARIES AND WAGES	Expenditures
Disbursing clerk	\$183 34
Lockmaster	283 50
Assistant lockmasters	884 02
Lock operators	1,107 82
Carpenter (supervising force).....	229 50
Total.....	\$2,688 18

REPAIRS AND IMPROVEMENTS

Major repairs by carpenter force: New spiking pieces and replanking Palmyra road bridge No. 53.

JACOB ALLMEROTH,

Assistant Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 1, 1919, to June 30, 1919, both inclusive, on Section 9, Erie Canal, in charge of Bernard J. Hogan, Superintendent of Repairs; also a statement of the Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$565 26
Disbursing clerk	366 66
Lockmaster	567 00
Assistant lockmasters	1,767 97
Lock operators	2,220 67
Lock helpers	1,377 82
Patrolmen	591 05
Bridge tenders	2,914 97
Guard-gate tenders	428 23
Lock tenders	2,290 32
Carpenter	456 75
Total.....	\$13,546 70

REPAIRS AND IMPROVEMENTS

Major repairs by carpenter force: New spiking pieces and replanking and spreading asphalt, Chili Road Barge canal bridge, repairing wheel pit rack and frame Lexington avenue bridge No. 86, and repairing junction locks and Locks Nos. 62, 63, 64, 65 and 66.

BERNARD J. HOGAN,
Superintendent.

232 REPORT OF SUPERINTENDENT OF PUBLIC WORKS

ANNUAL REPORT, *showing the different items of expenditure and the cost of each, July 1, 1918, to February 14, 1919, both inclusive, on Section No. 10, Erie Canal, in charge of Frank Wilson, Superintendent of Repairs.*

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$1,113 75
Disbursing clerk	687 45
Barge canal locks:	
Lockmaster	1,063 12
Assistant lockmaster	850 60
Lock operators	4,239 05
Lock helpers	3,007 40
Patrolmen (8)	2,787 09
Guard-gate tenders	1,635 48
Lift-bridge tenders	12,890 00
Patrolmen (2)	1,072 58
Carpenter (supervising forces).....	837 25
Watchmen, shop	1,350 00
Watchmen, Oak Orchard Creek feeder.....	150 00
Total.....	\$31,683 77

ANNUAL REPORT, showing the different items of expenditure and the cost of each, February 15, 1919, to June 30, 1919, both inclusive, on Section No. 10, Erie Canal, in charge of D. Gurney Spalding, Superintendent of Repairs; also a statement of the Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$668 25
Disbursing clerk	412 55
Barge canal locks:	
Lockmaster	637 88
Assistant lockmaster	525 38
Lock operators	2,821 43
Lock helpers	1,045 16
Patrolmen (8)	929 03
Guard-gate tenders	464 52
Lift-bridge tenders	2,710 00
Patrolmen (2)	255 58
Carpenter (supervising forces).....	493 00
Watchmen, shop	810 00
Watchmen, Oak Orchard Creek feeder.....	90 00
Total.....	\$11,862 78

REPAIRS AND IMPROVEMENTS

Built and painted a new tight board fence on bank south of Lock No. 35, which greatly improves the appearance of State property at the Combined Locks.

During the spring repairs, loose boulders were removed from prism of canal between Combined Locks and Pendleton guard gate.

Loose stone, bars, etc., were removed from prism of canal between Bridge No. 159 and Combined Locks.

About 400 lineal feet of retaining wall was rebuilt on west side of towpath at east end of Combined Locks and south of Lock No. 35.

The stone and concrete coping, walks and stairs of Combined Locks have been repaired.

Cleaned out Lock No. 35 by removing loose concrete floor, etc.

The lock house balance beams, wooden railings, etc., at Combined Locks have received two coats of paint.

All bridges have been repaired and replanked where needed.
Culverts and waste weirs were cleaned out when needed.
Nothing has happened to interfere with traffic on this section.
Outlet to Weir No. 25 needs considerable repairs.

D. GURNEY SPALDING,
Superintendent.

ANNUAL REPORT, showing the different items of expenditure and the cost of each, July 1, 1918, to March 14, 1919, both inclusive, on Section No. 11, Erie Canal, in charge of R. Humphrey, Superintendent of Repairs.

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$1,607 16
Disbursing clerk	779 11
Sanitary watchman	637 50
Watchmen, State yard.....	850 00
Patrolman	475 00
Carpenter force, making general repairs to bridges and boats	5,772 00
Traffic regulators on Genesee and Hudson street bridges	888 00
Total.....	\$11,008 77

ANNUAL REPORT, showing the different items of expenditure and the cost of each, March 15, 1919, to June 30, 1919, both inclusive, on Section No. 11, Erie Canal, in charge of George Klein, Superintendent of Repairs; also a statement of the Important Repair and Improvement Work completed during the year 1919.

SALARIES AND WAGES	Expenditures
Superintendent of repairs.....	\$674 84
Disbursing clerk	320 89
Sanitary watchman	262 50
Watchman, State yard.....	350 00
Patrolman	190 00
Carpenter force, making general repairs to bridges and boats	2,856 50
Traffic regulators on Genesee and Hudson street bridges	364 00
Total.....	\$5,018 73

REPAIRS AND IMPROVEMENTS

All the bridges on the section were repaired and replanked where needed. Genesee street bridge and Hudson street bridge at Buffalo, and Delaware street bridge at Tonawanda were entirely replanked with new stringers, also new sidewalks.

The steamer "State of New York," tug "Queen City," Derrick Boat No. 2, and five dump scows were all repaired, calked and put in good condition.

The embankment near New Home bridge, about 500 feet, slid into the canal. The same was filled in with clay and a fence constructed along the road.

A coal chute was constructed under the Delaware street bridge at Tonawanda in order to supply the State tugs with coal.

All ditches and culverts were cleaned and rubbish removed.

GEORGE KLEIN,

Superintendent.

T A B L E S

ACCOMPANYING THE

Annual Report of the Superintendent of Public Works

TABLE

Exhibiting the date of the opening and closing of the Hudson river, and the number of days open; also, the time of commencement and close of each navigable season of canals, and the number of days of navigation since 1824; also the date of the opening of Lake Erie since 1827.

OPENING AND CLOSING OF THE HUDSON RIVER				COMMENCEMENT AND CLOSE OF NAVIGATION			
River open		River closed	Days open	Canal open	Canal closed	Navigable days	Opening of Lake Erie
March 8, 1824	.....	January 5, 1825	309	April 30, 1824	December 4, 1824	219	.....
March 6, 1825	.....	December 13, 1825	283	April 12, 1825	December 16, 1825	238	.....
February 26, 1826	.....	December 28, 1827	302	April 26, 1826	December 16, 1826	243	.....
March 1, 1827	.....	November 25, 1827	301	April 27, 1827	December 20, 1827	241	April 21, 1827
February 6, 1828	.....	December 23, 1828	290	April 27, 1828	December 20, 1828	269	April 10, 1828
April 1, 1829	.....	January 24, 1830	226	May 2, 1829	December 17, 1829	230	May 6, 1829
March 16, 1830	.....	December 24, 1830	283	April 30, 1830	December 17, 1830	242	May 9, 1830
March 16, 1831	.....	December 31, 1831	282	April 16, 1831	December 21, 1831	240	May 27, 1831
March 26, 1832	.....	December 31, 1832	299	April 26, 1832	December 21, 1832	241	April 23, 1832
March 21, 1833	.....	December 16, 1833	297	April 9, 1833	December 12, 1833	238	April 23, 1833
February 29, 1834	.....	December 16, 1834	291	April 17, 1834	December 12, 1834	240	April 8, 1834
March 20, 1835	.....	November 30, 1835	284	April 15, 1835	November 26, 1835	240	May 27, 1835
March 3, 1836	.....	December 30, 1836	284	April 26, 1836	November 26, 1836	216	May 27, 1836
April 26, 1837	.....	December 14, 1837	267	April 20, 1837	December 26, 1837	234	April 16, 1837
March 16, 1838	.....	November 23, 1838	287	April 11, 1838	December 16, 1838	228	March 21, 1838
March 26, 1839	.....	November 18, 1839	296	April 20, 1839	December 16, 1839	241	April 27, 1839
March 26, 1840	.....	November 18, 1840	286	April 20, 1840	December 16, 1840	228	April 27, 1840
February 24, 1841	.....	November 18, 1841	286	April 24, 1841	December 30, 1841	221	April 14, 1841
March 1, 1842	.....	November 18, 1842	298	April 26, 1842	November 26, 1842	222	April 14, 1842
February 13, 1843	.....	November 18, 1843	292	May 1, 1843	November 26, 1843	214	May 6, 1843
March 16, 1844	.....	December 10, 1844	278	April 18, 1844	November 26, 1844	222	March 13, 1844
February 26, 1845	.....	December 10, 1845	283	April 18, 1845	November 26, 1845	223	March 13, 1845
March 16, 1846	.....	December 12, 1846	278	April 16, 1846	November 26, 1846	234	April 13, 1846
March 16, 1847	.....	December 12, 1847	263	April 16, 1847	November 30, 1847	214	April 23, 1847
April 22, 1848	.....	December 26, 1848	292	May 1, 1848	November 30, 1848	223	April 26, 1848
March 12, 1849	.....	December 26, 1849	286	May 1, 1849	December 1, 1849	219	March 26, 1849
March 10, 1850	.....	December 17, 1850	282	April 22, 1850	December 1, 1850	234	March 26, 1850
February 26, 1851	.....	December 14, 1851	293	April 15, 1851	December 5, 1851	235	April 2, 1851

Table exhibiting the date of the opening and closing of the Hudson river, etc.—(Concluded)

OPENING AND CLOSING OF THE HUDSON RIVER			COMMENCEMENT AND CLOSE OF NAVIGATION			Opening of Lake Erie
River open	River closed	Days open	Canal open	Canal closed.	Navigable days	
28, 1852..... March	December 23, 1852....	270	April 20, 1852.....	December 15, 1852....	239	April 20, 1852
23, 1853..... March	December 21, 1853....	274	April 20, 1853.....	December 20, 1853....	245	April 14, 1853
17, 1854..... March	December 8, 1854....	266	May 1, 1854.....	December 3, 1854....	217	April 28, 1854
27, 1855..... March	December 20, 1855....	268	May 1, 1855.....	December 10, 1855....	224	April 21, 1855
11, 1856..... April	December 24, 1856....	248	May 6, 1856.....	December 4, 1856....	214	April 27, 1856
February 21, 1857.....	December 27, 1857....	302	May 6, 1857.....	December 15, 1857....	223	April 27, 1857
20, 1858..... March	December 17, 1858....	273	April 28, 1858.....	December 8, 1858....	222	April 15, 1858
13, 1859..... March	December 10, 1859....	273	April 15, 1859.....	December 12, 1859....	242	April 17, 1859
6, 1860..... March	December 13, 1860....	284	April 25, 1860.....	December 12, 1860....	232	April 17, 1860
6, 1861..... March	December 13, 1861....	293	May 1, 1861.....	December 10, 1861....	224	April 13, 1861
4, 1862..... April	December 19, 1862....	259	May 1, 1862.....	December 10, 1862....	224	April 15, 1862
3, 1863..... April	December 1, 1863....	252	May 1, 1863.....	December 9, 1863....	223	April 13, 1863
11, 1864..... March	December 12, 1864....	277	April 30, 1864.....	December 8, 1864....	223	April 13, 1864
22, 1865..... March	December 16, 1865....	270	May 1, 1865.....	December 12, 1865....	226	April 26, 1865
20, 1866..... March	December 15, 1866....	270	May 1, 1866.....	December 12, 1866....	226	April 28, 1866
26, 1867..... March	December 8, 1867....	257	May 6, 1867.....	December 20, 1867....	229	April 21, 1867
24, 1868..... March	December 9, 1868....	252	May 4, 1868.....	December 7, 1868....	217	April 19, 1868
5, 1869..... April	December 9, 1869....	248	May 6, 1869.....	December 10, 1869....	218	May 1, 1869
31, 1870..... March	December 17, 1870....	261	May 10, 1870.....	December 8, 1870....	213	April 16, 1870
12, 1871..... March	November 29, 1871....	283	April 24, 1871.....	December 1, 1871....	220	April 6, 1871
17, 1872..... April	December 9, 1872....	247	May 13, 1872.....	December 1, 1872....	202	May 29, 1872
16, 1873..... April	November 22, 1873....	221	May 13, 1873.....	December 5, 1873....	202	April 18, 1873
10, 1874..... March	December 12, 1874....	269	May 15, 1874.....	December 5, 1874....	210	April 18, 1874
13, 1875..... April	November 26, 1875....	229	May 18, 1875.....	December 5, 1875....	197	April 12, 1875
1, 1876..... April	December 2, 1876....	245	May 18, 1876.....	Nov. 30, 1876 (by ice)	211	May 4, 1876
30, 1877..... March	December 31, 1877....	277	May 8, 1877.....	December 7, 1877....	214	April 27, 1877
14, 1878..... March	December 30, 1878....	282	April 15, 1878.....	December 7, 1878....	237	April 24, 1878
4, 1879..... April	December 20, 1879....	261	May 8, 1879.....	December 6, 1879....	212	March 24, 1879
5, 1880..... March	November 25, 1880....	266	April 20, 1880.....	Nov. 21, 1880 (by ice)	216	March 19, 1880
21, 1881..... March	January 2, 1881.....	298	May 1, 1881.....	December 8, 1881....	204	May 26, 1881
8, 1882..... March	December 6, 1882....	273	April 17, 1882.....	December 7, 1882....	241	March 26, 1882
29, 1883..... March	December 16, 1883....	261	May 7, 1883.....	December 1, 1883....	208	May 4, 1883
26, 1884..... March	December 19, 1884....	269	May 6, 1884.....	December 1, 1884....	209	April 25, 1884
7, 1885..... April	December 7, 1885....	247	May 11, 1885.....	December 1, 1885....	205	May 2, 1885
30, 1886..... April	December 3, 1886....	248	May 1, 1886.....	December 1, 1886....	214	April 25, 1886

April	6, 1887	December	28, 1887	258	May	7, 1887	December	1, 1887	209	April	17, 1887
April	7, 1888	December	14, 1888	286	May	10, 1888	December	3, 1888	208	April	14, 1888
April	10, 1889	Open all winter	286	282	May	1, 1889	November	30, 1889	214	April	10, 1889
Open entire year		December	2, 1890	377	May	28, 1890	November	30, 1890	217	March	31, 1890
March	24, 1891	December	24, 1891	377	May	5, 1891	December	5, 1891	215	April	13, 1891
April	1, 1892	December	22, 1892	266	May	1, 1892	December	5, 1892	212	April	10, 1892
April	1, 1893	December	6, 1893	250	May	1, 1893	November	30, 1893	219	April	15, 1893
March	18, 1894	December	24, 1894	281	May	1, 1894	November	30, 1894	214	April	18, 1894
April	2, 1895	December	6, 1895	252	May	1, 1895	December	5, 1895	216	April	28, 1894
April	7, 1896	December	19, 1896	256	May	1, 1896	December	1, 1896	215	April	4, 1896
April	29, 1897	December	17, 1897	223	May	8, 1897	December	1, 1897	208	April	19, 1897
April	13, 1898	December	15, 1898	244	May	7, 1898	December	10, 1898	217	March	28, 1898
April	17, 1899	December	16, 1899	242	May	25, 1899	December	1, 1899	220	April	28, 1899
April	9, 1900	December	11, 1900	246	April	25, 1900	December	1, 1900	220	April	22, 1900
April	28, 1901	December	8, 1901	266	May	7, 1901	November	30, 1901	207	April	20, 1901
March	17, 1902	December	2, 1902	263	May	24, 1902	November	4, 1902	224	April	9, 1902
March	14, 1903	December	2, 1903	244	May	2, 1903	November	28, 1903	210	April	6, 1903
April	4, 1904	December	4, 1904	244	May	6, 1904	November	28, 1904	205	May	10, 1904
April	8, 1906	December	16, 1906	267	May	4, 1905	November	28, 1905	209	May	22, 1906
March	22, 1907	December	6, 1907	260	May	2, 1906	November	28, 1906	211	April	16, 1906
March	28, 1907	December	6, 1907	253	May	1, 1907	December	10, 1907	224	April	6, 1907
March	23, 1908	December	18, 1908	271	May	15, 1909	November	30, 1908	210	April	26, 1908
March	15, 1909	December	22, 1909	283	May	16, 1910	November	15, 1909	185	April	22, 1909
March	17, 1910	December	19, 1910	278	May	16, 1910	November	15, 1910	185	April	16, 1910
March	22, 1911	January	3, 1912	288	May	16, 1911	November	15, 1911	185	April	28, 1911
March	26, 1912	February	6, 1913	318	May	15, 1912	November	15, 1912	172	April	18, 1912
March	31, 1913	January	3, 1913	287	*June	13, 1913	December	1, 1913	201	April	13, 1913
March	17, 1914	December	29, 1914	267	May	15, 1914	November	30, 1915	200	April	14, 1915
March	31, 1914	December	22, 1914	278	May	16, 1915	November	30, 1916	200	April	16, 1915
March	18, 1915	December	20, 1915	259	May	16, 1916	November	30, 1916	185	April	16, 1916
March	3, 1916	December	17, 1916	257	May	15, 1917	November	15, 1917	212	April	12, 1917
April	28, 1917	December	9, 1917	262	May	15, 1918	December	12, 1918	212	April	16, 1918
April	2, 1918	December	19, 1918	274	May	15, 1919	December	11, 1919	211	April	16, 1919
March	19, 1919	December	17, 1919								

[†]Cayuga and Seneca canal closed November 15th. 1914.

Champlain canal opened May 1st, 1915.
Black River canal opened June 1st, 1915.
Champlain canal opened May 1, 1917.
Champlain canal closed November 30, 1917.
Champlain canal closed December 1, 1918.

- Erie canal opened June 13th, 1913.
- Champlain canal opened May 15th, 1913.
- Cayuga and Seneca and Black River canals opened June 1st, 1913.
- Western Division, Erie canal, opened May 28th, 1914.

STATEMENT of the number of locks, their lift in feet, total lockage of each canal, etc., of all the canals in the State of New York as they existed before the so-called Barge canal improvement.

NAME OF CANAL	Length in miles	Lockage in feet
Erie canal	351.78	655.80
Navigable feeders of same.....	3.35	.....
Champlain canal	66.00	179.50
Pond above Troy dam.....	3.00	.....
Glens Falls feeder and pond.....	12.00	132.00
Black River canal.....	35.33	1,082.25
Black River feeder.....	13.47	.....
Black River improvement.....	42.50	.....
Oneida Lake canal.....	.....	62.00
Oswego canal	38.00	154.85
Oneida river improvement.....	20.00	7.85
Seneca river towing-path.....	5.00	.....
Baldwinsville canal	1.00	8.00
Cayuga and Seneca canal.....	22.77	76.61
Cayuga inlet	2.00	.....
Total.....	622.20	2,357.86

NAME OF CANAL.	SIZE OF CANAL.				NUMBER AND SIZE OF LOCKS.			Average burden of boats.	Maximum burden of boats.
	Length in miles.	Width on surface.	Width on bottom.	Depth of water.	Number of locks.	Length be- tween quoin.	Width in clear.		
Erie canal.....	363	40	28	4	83	90	15	70	76
Enlargement of same	351½	70	56	7	72	110	18	210	240
Oswego canal	38	40	24	4	18	90	13	70	76
Enlargement of same	38	70	56	7	18	110	18	210	240
Cayuga and Seneca canal.....	21	40	24	4	10	90	16	70	76
Enlargement of same	23	70	56	7	11	110	18	210	240
Champlain canal.....	66	50	35	5	20	110	18	85	120
Glens Falls feeder.....	12	50	35	5	12	100	18	80	85
Pond above Troy dam.....	3	.....	.....	.....	1	.....	.....	.....	.....
Black River canal and feeder.....	50	42	26	4	100	90	13	70	76
Black River improvement.....	42	.....	.....	.....	1	110	18	70	76
Oneida River improvement.....	20	80	60	4½	2	120	30	70	66
Oneida Lake canal.....	70	70	56	7	7	110	18	220	220
Baldwinsville and Seneca tow-path.....	5½	40	24	4	1	90	15	70	76

ERIE CANAL

REMARKS	Old canal (not now in existence)	Enlargement
Construction authorized	April 15, 1817.....	May 11, 1835.
Construction commenced	July 4, 1817.....	August, 1836
Construction completed	October 26, 1825...	September, 1862.
Estimated cost at engineer's prices.....	\$4,926,738	\$23,402,803.
Actual cost of construction.....	\$7,143,789	\$44,465,414.
Total feet of lockage.....	675½	655 80-100 feet.
Length from Albany to Buffalo.....	363 miles	351¾ miles.
Number of locks and size of chambers..	83 locks, 90 x 115..	72 locks, 110 x 18.
Size of prism.....	40 and 28 x 4.....	70 and 56 x 7.
Maximum dimensions of boats.....	78 62-100 x 14 46- 100 x 3½, draft..	98 x 17.5-12 x 6 ft. draft.
Burden of boats.....	75 tons	240 tons.

Counties through which the Erie canal runs — Albany, Cayuga, Erie, Herkimer, Madison, Monroe, Montgomery, Niagara, Onondaga, Oneida, Orleans, Saratoga, Schoenectady and Wayne.

LOCKS

No. of lock.	Double or single.	Lift.	No. of lock.	Double or single.	Lift.	No. of lock.	Double or single.	Lift.
1.....	Double...	15½	25.....	Double...	8	49.....	Double...	6
2.....	Double...	9	26.....	Double...	8	50.....	Double...	6 11-12
3.....	Double...	11½	27.....	Double...	8	51.....	Double...	5½
4.....	Double...	11½	28.....	Double...	8	52.....	Double...	11
5.....	Double...	10	29.....	Double...	7	53.....	Double...	6
6.....	Double...	10	30.....	Double...	10½	54.....	Double...	7½
7.....	Double...	10	31.....	Double...	6	55.....	Double...	6
8.....	Double...	10	32.....	Double...	8	56.....	Double...	10
9.....	Double...	10	33.....	Double...	6	57.....	Double...	8
10.....	Double...	10	34.....	Double...	8	58.....	Double...	8
11.....	Double...	10	35.....	Double...	8	59.....	Double...	8
12.....	Double...	10	36.....	Double...	10	60.....	Double...	10
13.....	Double...	10	37.....	Double...	10	61.....	Double...	9
14.....	Double...	10	38.....	Double...	9½	62.....	Double...	9
15.....	Double...	10	39.....	Double...	10½	63.....	Double...	9
16.....	Double...	10	40.....	Double...	8	64.....	Double...	10
17.....	Double...	10	41.....	Double...	8	65.....	Double...	10
18.....	Double...	10½	42.....	Double...	8	66.....	Double...	9
19.....	Double...	8½	43.....	Double...	8	67.....		
20.....	Double...	10	44.....	Double...	10½	68.....		
21.....	Double...	11½	45.....	Double...	10½	69.....	Double...	55 10-12
22.....	Double...	11½	46.....	Double...	3	70.....		
23.....	Double...	8	47.....	Double...	10½	71.....		
24.....	Double...	8	48.....	Double...	10½	72 gd. Blk. Rk. & Buf.	Double...	2

For data as to enlargement under so-called Barge canal improvement, see preceding pages.

LOCATION OF LOCKS

COUNTIES	Number of locks	COUNTIES	Number of locks
Albany	1 to 18, inclusive.	Onondaga	47 to 51, inclusive.
Saratoga	19 and 20.	Cayuga	52.
Schenectady	21 to 25, inclusive.	Wayne	53 to 60, inclusive.
Montgomery	26 to 34, inclusive.	Ontario	61 to 66, inclusive.
Herkimer	35 to 45, inclusive.	Monroe	67 to 71, inclusive.
Oneida	46.	Orleans	
Madison		Niagara	

CHAMPLAIN CANAL AND GLENS FALLS FEEDER

Construction authorized	April 15, 1817.
Glens Fall feeder authorized.....	April, 1822.
Estimated cost of canal at engineer's prices.....	\$571,000.
Navigation opened from Fort Edward to Lake Champlain...	November 24, 1819.
Canal completed from Waterford to Lake Champlain.....	1822.
Canal, cost of construction up to 1827.....	\$821,011.
Feeder, cost of construction up to 1837.....	\$91,944.
Total cost of both included improvements, exclusive of ordinary repairs, June, 1868.....	\$2,378,910.
Number of locks on canal, 20; feeder, 13.....	Size, 110x18 and 100x 15.
Length of canal, 66 miles; feeder, 7 miles; pond, 5 miles...	78 miles.
Size of prism, canal and feeder.....	40.26x4.
Size authorized, chapter 213, Laws of 1860.....	50.35x5.
Total cost, including improvements and enlargement, up to 1875	\$4,044,000.

Countries through which the Champlain canal runs — Rensselaer, Saratoga, Warren and Washington.

The Glens Falls feeder is located in the counties of Warren and Washington.

For data as to enlargement under the so-called Barge canal improvement, see preceding pages.

LOCKS

CHAMPLAIN CANAL.						GLENS FALLS FEEDER.			
No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.
1.....	10½	8.....	8½	15.....	8	1.....	10	8.....	10
2.....	10½	9.....	10	16.....	7	2.....	10	9.....	10
3.....	8½	10.....	9½	17.....	2½	3.....	10	10.....	10
4.....	9	11.....	11½	18.....	9	4.....	10	11.....	11
5.....	9	12.....	9	19.....	9	5.....	10	12.....	12
6.....	9	13.....	10½	20.....	10	6.....	10	13.....	10
7.....	9½	14.....	8	.....	.....	7.....	10	.....	.....

BLACK RIVER CANAL FEEDER AND BLACK RIVER IMPROVEMENT.

Construction authorized.....	April 19, 1836.
Construction commenced.....	January, 1838.
Estimated cost at engineers' prices.....	\$1,068,437.
Estimated cost at contract prices.....	\$2,431,069.
Canal completed.....	1849.
Cost of construction.....	\$3,581,954.
Number and size of locks.....	106 locks; 90x15.
Length of canal to Lyons Falls.....	35 miles.
Length of river to Carthage and fall.....	42 miles; 9¼ feet.
Size of prism of canal and feeder.....	42 and 28x4.
Length of navigable feeder, and fall.....	10¾ miles; 6 10-100 feet.
Burden of boats.....	45 to 50 tons.
Lockage of canal.....	1,082¼ feet.

LOCKS.

No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.
1.....	10	29.....	10	56.....	10	83.....	9
2.....	10	30.....	10	57.....	10	84.....	9
3.....	10	31.....	10	58.....	10	85.....	10
4.....	10	32.....	10	59.....	10	86.....	11½
5.....	10	33.....	10	60.....	10	87.....	10
6.....	10	34.....	10	61.....	10	88.....	10
7.....	10	35.....	10	62.....	10	89.....	10
8.....	11	36.....	10	63.....	10	90.....	10
9.....	12	37.....	10	64.....	10	91.....	12
10.....	11	38.....	10	65.....	10	92.....	10
11.....	11	39.....	10	66.....	10	93.....	10
12.....	11	40.....	10	67.....	10	94.....	10
13.....	8	41.....	10	68.....	9	95.....	10
14.....	8	42.....	10	69.....	9	96.....	10
15.....	8	43.....	10	70.....	9	97.....	10
16.....	10	44.....	10	71.....	10	98.....	10
17.....	8	45.....	10	72.....	10	99.....	10
18.....	10	46.....	10	73.....	10	100.....	10
19.....	8	47.....	10	74.....	10	101.....	10½
20.....	10	48.....	10	75.....	10	102.....	10¾
21.....	10	49.....	10	76.....	10	103.....	4
22.....	10	50.....	10	77.....	10	104.....	10
23.....	10	51.....	10	78.....	10	105.....	10
24.....	10	52.....	10	79.....	10	106.....	11
25.....	10	53.....	10	80.....	9	107.....	11
26.....	10	54.....	10	81.....	9	108.....	12
27.....	10	55.....	10	82.....	9	109.....	12
28.....	10	.....	.....	.....	.....	.....	.....

Counties through which the Black River canal runs — Onelda and Lewis.

OSWEGO CANAL.

REMARKS.	Oswego canal.	Enlarged Oswego canal.
Construction authorized.....	April 20, 1825....	April 15, 1854.
Enlargement of locks.....		Ch. 262, Laws of 1847.
Estimated cost at engineers' prices..	\$277,000.....	\$1,926,336.
Estimated cost at contract prices...	\$437,000.....	\$2,051,190.
Construction completed.....	December 10, 1828.	September, 1862.
Cost of construction.....	\$565,473.....	\$4,427,589.
Number of locks and size.....	18, 90x15.....	17, 110x18.
Feet of lockage.....	154.85 feet.....	154.85 feet.
Average cost of one lock.....	\$10,000.....	\$31,000.
Size of prism of canal.....	40 and 26x4.....	70 and 56x7 feet.
Guard locks.....	Six.....	Five.
Burden of boats.....	60 to 75 tons....	230 tons.
Length of canal.....	38 miles.....	38 miles.

LOCKS.

No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.
1.....	11	4.....	9.6 {	8.....	11½	12.....	11½	16.....	8½
2.....	11	5.....		9.....	7½	13.....	5.65	17.....	10½
3.....	10½	6.....		10.....	9	14.....	9½	18.....	9½
		7.....	5.866	11.....	11½	15.....	5½		

Counties through which the Oswego canal runs — Onondaga and Oswego.

For data as to enlargement under the so-called Barge canal improvement, see preceding pages.

CAYUGA AND SENECA CANAL — CAYUGA INLET.

REMARKS.	Cayuga and Seneca canal.	Cayuga inlet.
Construction authorized, enlargement of locks	April 20, 1825....	May 25, 1836.
Enlargement of prism.....		April 16, 1854.
Estimated cost at engineers' prices...	\$811,188	160,000.
Estimated cost at contract prices...	\$795,272	\$160,396.
Canal completed	November 15, 1828.	September, 1862.
Cost of construction.....	\$2,010,320	\$214,000.
Number of locks and size.....	11, 110x18	1, 110x18.
Feet of lockage.....	83½	
Length and size of prism.....		24½ miles, 70 and 66x7.

LOCKS.

No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.	No.	Lift.
1.....	7.28	4.....	9	6.....	9.60	8.....	5.70	10.....	10
2.....	7	5.....	9	7.....	6	9.....	10	11.....	3
3.....	10								

Counties through which the Cayuga and Seneca canal runs — Cayuga, Seneca and Ontario.

For data as to enlargement under the so-called Barge canal improvement, see preceding pages.

TABLE OF DISTANCES

HUDSON RIVER AND IMPROVED ERIE CANAL

	Place to place.	From New York.	From Buffalo.
New York City, pier 5 and 6, East river.....			506.72
Dobbs Ferry.....	23.80	23.80	482.92
Erie railroad docks.....	2.20	26.0	480.72
Tarrytown.....	2.30	28.3	478.42
Nyack.....	9	29.2	477.52
Ossining.....	4.0	33.8	472.52
Haverstraw.....	4.0	37.8	468.92
Peekskill.....	7.1	44.9	461.82
West Point.....	7.4	52.3	454.42
Cold Spring.....	2.6	54.9	451.82
Cornwall Landing.....	2.0	57.5	449.22
Newburgh.....	3.6	61.1	445.62
Fishkill.....	.3	61.4	445.32
New Hamburg.....	6.4	67.8	438.92
Poughkeepsie.....	7.9	75.7	431.02
Kingston, on side line 1.2 miles long.....	16.4	92.1	417.02
Rhinecliff.....	15.3	91.0	415.72
Saugerties.....	10.5	101.5	405.22
Catskill.....	10.6	112.1	394.62
Athens.....	4.1	116.2	390.62
Hudson.....	2	116.4	390.32
Coxsackie.....	6.9	123.3	383.42
New Baltimore.....	6.4	129.7	377.02
Coeymans.....	2.0	131.7	375.02
Castleton.....	4.0	135.7	371.02
Rensselaer, Ferry street.....	7.7	143.4	363.32
Albany, Madison avenue.....	0.4	143.8	362.92
Albany terminal.....		144.8	
Rensselaer, Forbes avenue.....	1.0	144.8	361.92
Troy, Washington street terminal.....	5.1	149.9	356.82
Watervliet, at ferry.....	.2	150.1	356.62
Troy, upper terminal.....	4	150.5	356.22
Troy, Federal lock.....	1.43	151.93	354.79
Cohoes terminal, Ontario street.....	1.67	153.60	353.12
Mohawk river below Union bridge.....			
Waterford—junction Erie and Champlain canals.....	.78	154.38	352.34
Waterford, Third street terminal.....	.12	154.5	352.22
Lock No. 2, Erie canal.....	.7	155.2	351.62
Lock No. 3, Erie canal.....	.28	155.48	351.34
Lock No. 4, Erie canal.....	.62	156.1	350.62
Lock No. 5, Erie canal.....	.16	156.26	350.46
Lock No. 6, Erie canal.....	.28	156.54	350.18
Guard gate No. 2.....	.63	157.17	349.55
Crescent terminal.....	1.33	158.50	348.22
Danbach Ferry.....	2.39	160.89	345.83
Port's Ferry.....	2.28	163.17	343.55
Vischer's Ferry.....	2.80	165.9	331.90
Lock No. 7.....	1.47	167.37	339.35
Rarford (aqueduct).....	3.83	171.2	335.52
Schenectady terminal.....	4.6	175.8	330.92
Lock No. 8, Scotia.....	2.4	178.2	328.52
Rotterdam Junction (west).....	4.40	182.60	324.12
Lock No. 9.....	.42	183.02	323.70
Hoffman's Ferry (north shore).....		184.40	
Pattersonville (south shore).....	1.38	184.40	322.32
Cranesville.....	4.40	188.80	317.92
Lock No. 10, Cranesville.....	.38	189.18	317.54
Amsterdam terminal.....	2.72	191.90	314.82
Lock No. 11, Guy Park.....	1.33	193.23	313.49
Akin.....	1.77	195.00	311.72
Fort Hunter, bridge.....	2.75	197.75	308.97
Lock No. 12, Tribes Hill.....	.05	197.80	308.92
Fultonville (south shore).....		202.90	
Fonda (north shore).....	5.10	202.90	303.82
Lock No. 13, Yosta.....	4.58	207.48	299.24
Randall P. O. (south shore).....	.62	208.10	298.62
Yosta (north shore).....	.18	208.24	298.44
Sprakers Ferry.....	3.42	211.7	295.02

HUDSON RIVER AND IMPROVED ERIE CANAL — (Continued)

	Place to place.	From New York.	From Buffalo.
Canajoharie terminal.....	3.10	{ 214.8 }	291.92
Palatine Bridge north shore.....		{ 214.8 }	
Lock No. 14.....	.58	215.38	291.34
Fort Plain terminal.....	2.92	{ 218.3 }	288.42
Nelliston north shore.....		{ 218.3 }	
Lock No. 15.....	.43	218.73	287.99
St. Johnsville terminal.....	5.25	223.98	282.74
Lock No. 16.....	1.46	225.44	281.28
Mindenville, bridge.....	.26	225.70	281.02
Guard gate No. 3, Erie, Indian Castle.....	3.1	228.8	277.92
Lock No. 17, Little Falls.....	4.41	233.21	273.51
Lift bridge, Little Falls.....	.71	233.92	272.80
Guard gate No. 4, Little Falls.....	.18	234.10	272.62
Terminal, Little Falls.....	.30	234.4	272.32
Lock No. 18, Jacksonburg.....	3.00	237.4	269.32
Bridge No. 139, Jacksonburg.....	.30	237.7	269.02
Mohawk guard gate No. 5.....	3.83	{ 241.53 }	265.19
Mohawk Junction lock, Utica line.....		{ 241.53 }	
Herkimer terminal.....	.17	241.7	265.02
Ilion terminal.....	1.80	243.5	263.22
Frankfort terminal.....	2.90	246.4	260.32
Lock No. 19.....	3.00	249.4	257.32
Utica, terminal lock.....	7.20	256.6	250.12
Utica terminal (side line).....	.70	257.30	250.8
Whitesboro, bridge.....	2.20	258.80	247.92
Lock No. 20.....	.88	259.68	247.04
Oriskany, bridge.....	2.42	262.1	244.62
Guard gate No. 6, Erie canal.....	4.20	266.3	240.42
Rome terminal.....	3.00	269.3	237.42
Guard gate No. 7, Erie canal.....	.15	{ 269.45 }	237.27
Junction lock to Utica line.....		{ 269.45 }	
Junction lock to Black River canal.....	.10	269.55	237.17
New London junction lock, Syracuse line.....	6.31	275.86	230.86
Lock No. 21.....	2.04	277.90	228.82
Lock No. 22.....	1.35	279.25	227.47
Sylvan Beach (north side).....	4.35	283.60	223.12
Cleveland.....	8.5	292.7	216.02
Constantia.....	0.6	299.3	209.42
Fort Brewerton (north shore).....	7.5	306.2	201.92
Fort Brewerton (north shore).....	21.2	304.8	201.92
Brewerton terminal.....	.2	305.0	201.72
Lock No. 23.....	2.9	307.9	198.82
Oak Orchard, bridge.....	2.9	310.8	195.92
Oswego canal junction, east (Three River Point).....	3.81	314.61	192.11
Three River Point dock.....	.09	314.7	192.02
West Junction.....	.2	314.9	191.82
Belgium, bridge.....	1.8	316.7	190.02
Cold Spring bridge, east junction Syracuse branch.....	4.70	321.4	185.32
Long Branch, dock.....	.95	322.35	185.77
La's entrance, side line.....	.45	322.8	186.22
Liverpool.....	2.00	324.8	188.22
Syracuse terminal.....	3.40	328.20	191.62
West Junction, Syracuse branch.....	.50	321.9	184.82
Lock No. 24, Baldwinville.....	4.55	326.65	180.07
State ditch, bridge.....	8.80	335.45	171.27
Jones Point, Cross Lake entrance.....	1.73	337.18	169.54
Iron bridge, Jordan.....	2.12	339.3	167.42
Bontas bridge.....	1.87	341.17	165.55
Weedsport terminal.....	2.03	343.2	163.52
Port Byron (free bridge).....	4.10	347.3	159.42
Fox Ridge (Campbell's bridge).....	3.50	350.8	155.92
Montesuma (aqueduct).....	4.68	355.38	151.34
Cayuga and Seneca canal, east junction.....	.52	355.9	150.82
Cayuga and Seneca canal, west junction.....	.30	356.2	150.52
Lock No. 25, May's Point.....	1.20	357.4	149.32
Lock No. 26.....	5.84	363.24	143.48
Clyde, viaduct.....	2.36	365.6	141.12
Lions terminal.....	9.60	375.2	131.52
Lock No. 27.....	.10	375.3	131.42

HUDSON RIVER AND IMPROVED ERIE CANAL — (Concluded)

	Place to place.	From New York.	From Buffalo.
Lock No. 28-A.....	1.27	376.57	130.15
Poor House.....	1.08	377.65	129.07
Lock No. 28-B.....	2.85	390.5	126.22
Newark terminal.....	.40	380.9	125.82
Port Gibson.....	3.40	384.3	122.42
Guard gate No. 8.....	1.68	385.98	120.74
Palmyra, lock No. 29.....	4.22	390.2	116.52
Macedon, lock No. 30.....	3.00	393.2	113.52
Waynesport.....	3.00	396.2	110.52
Fairport dock.....		{ 400.83 }	
Lift bridge No. 2.....	4.63	{ 400.83 }	105.80
Guard gate No. 9.....	3.27	404.1	102.62
Bushnells Basin, bridge.....	.64	404.74	101.98
Cartersville, bridge.....	1.66	406.4	100.32
Guard gate No. 10.....	.10	406.50	100.22
Pittsford, dock wall.....	1.20	407.7	99.02
Lock No. 32.....	2.10	409.8	96.92
Lock No. 33.....	.80	410.6	96.12
Guard lock, east.....	3.60	414.2	92.52
Centre of river.....	.53	414.7	92.02
Rochester terminal (side line).....	3.20	417.9	95.22
Guard lock, west.....	.50	415.2	91.52
South Greece.....	6.60	421.8	84.02
Guard gate No. 11.....	2.30	424.1	82.62
Spencerport terminal.....		{ 425.4 }	
Lift bridge No. 3.....	1.30	{ 425.4 }	81.32
Adams Basin, dock.....		{ 428.3 }	
Adams Basin, lift bridge No. 4.....	2.9	{ 428.3 }	78.42
Brockport, lift bridge No. 5.....	4.61	432.91	73.81
Brockport, lift bridge No. 6.....	.19	433.1	73.62
Guard gate No. 12, Erie canal.....	.90	434.0	72.72
Holley terminal.....		{ 437.7 }	
Holley lift bridge No. 7.....	3.7	{ 437.7 }	69.02
Guard gate No. 13, Erie canal.....	.63	438.33	68.39
Hulberton lift bridge No. 8.....	2.37	440.7	66.02
Albion, lift bridge No. 9.....	6.40	447.1	59.62
Albion, lift bridge No. 10.....	.20	447.3	59.42
Guard gate No. 14, Erie canal.....	1.1	448.4	58.32
Eagle Harbor, lift bridge No. 11.....	2.2	450.6	56.12
Knowlesville, lift bridge No. 12.....	3.0	453.6	53.12
Guard gate No. 15.....	3.2	456.8	49.92
Medina terminal.....	1.0	457.8	48.92
Medina, lift bridge No. 13.....	.4	458.2	48.52
Guard gate No. 16, Erie canal.....	3.21	461.41	45.31
Middleport, lift bridge No. 14.....	1.49	462.9	43.82
Guard gate No. 17.....	.4	467.8	38.92
Gaspport, lift bridge No. 15.....	.4	468.2	38.52
Lockport, lift bridge No. 16.....	5.77	473.97	32.75
Lockport, lift bridge No. 17.....	.23	474.2	32.52
Lockport, lower terminal.....	.10	474.3	32.42
Locks No. 24 and 35.....	.50	474.8	31.02
Upper terminal, Lockport.....	.50	475.3	31.42
Guard gate No. 18, Erie canal.....	4.0	479.3	27.42
Pendleton, bridge.....	2.2	481.5	25.22
Martinsville.....	6.4	487.9	18.82
Tonawanda terminal.....		{ 492.3 }	
North Tonawanda terminal.....	4.4	{ 492.3 }	14.42
Buffalo, Erie Basin.....	12.43	504.73	1.99
Buffalo, Ohio Basin.....	1.99	506.72	0.00

DISTANCES — CHAMPLAIN CANAL

	Distances between points	From New York	From Canadian line
Federal lock at Troy.....	.....	151.93	169.57
Cohoes terminal, Ontario street.....	1.67	153.60	167.90
Waterford junction in river.....	.78	154.38	167.12
Waterford, Union bridge.....	.54	154.92	166.58
Lock No. 1.....	2.88	157.80	163.70
Lock No. 2.....	3.90	161.7	159.80
Mechanicville terminal.....	1.90	163.6	157.90
Lock No. 3.....	.63	164.23	157.27
Lock No. 4.....	1.83	166.96	155.44
Stillwater, bridge.....	.42	166.48	155.02
Remis Heights.....	2.82	169.30	152.20
Lock No. 5.....	11.06	180.36	141.14
Thomson terminal.....	1.04	181.4	140.10
Northumberland, bridge.....	.10	181.5	140.00
Lock No. 6, Fort Miller.....	2.50	184.0	137.50
Guard Gate (Crocker's Reef).....	2.07	186.07	135.43
Lock No. 7, Fort Edward.....	5.17	191.24	130.26
Fort Edward terminal, side line.....	1.00	192.24	131.26
Lock No. 8.....	2.06	193.30	128.20
Dunham Basin, bridge.....	1.70	195.00	126.50
Lock No. 9.....	4.10	199.10	122.40
Smith's Basin, bridge.....	.44	199.54	121.96
Fort Ann, bridge.....	3.76	203.30	118.20
Comstock, bridge.....	3.94	207.24	114.26
Lock No. 11.....	.96	208.2	113.30
Whitehall terminal.....	6.30	214.5	107.00
Whitehall lock No. 12.....	.29	214.79	106.71
Ticonderoga.....	22.31	237.1	84.40
Crown Point.....	8.30	245.4	76.10
Port Henry.....	8.10	253.5	68.00
Essex.....	21.00	274.5	47.00
Burlington.....	11.00	285.5	36.00
Port Kent.....	3.00	288.5	33.00
Plattsburg.....	12.00	300.5	21.00
Rouses Point.....	19.30	319.8	1.70
Canadian line.....	1.70	321.5	00.00

DISTANCES — OSWEGO CANAL

	Distances between points	From New York	From Oswego
Oswego canal, junction east (Three River point).....	3.81	314.61	23.79
Lift Bridge No. 1, Oswego.....	2.29	315.9	21.50
Phoenix, Lock No. 1.....	.10	317.0	21.40
Hilmansville, bridge.....	3.2	320.2	18.20
Fulton, Lock No. 2.....	6.3	326.5	11.90
Fulton, terminal.....	.2	326.7	11.70
Fulton, Lock No. 3.....	.35	327.05	11.35
Battle Island cut.....	3.50	330.55	7.85
Minetto, Lock No. 5.....	2.05	333.5	4.00
Oswego, Lock No. 6, High dam.....	3.3	336.8	1.60
Oswego, Lock No. 7.....	.36	337.16	1.24
Oswego, Lock No. 8.....	.54	337.70	.70
Oswego, east terminal.....	.30	338.00	.40
Oswego, Lake terminal.....	.40	338.40	.00

DISTANCES — BLACK RIVER CANAL

	DISTANCE FROM —		
	Place to place	Rome	Boonville
Rome.....	.....	.....	25
Ridge Mills.....	2	2	23
Lock No. 7.....	3	5	20
Walworth's Storehouse.....	1	6	19
Westernville.....	3	9	16
Wells Brook Aqueduct.....	2	11	14
Stringers' Creek.....	2	13	12
Lansing Kill.....	1	14	11
Lock No. 31.....	2	16	9
Lansing Kill dam or feeder.....	1	17	8
Lower Falls, Lansing Kill.....	2	19	6
Upper Falls, Lansing Kill.....	2	21	4
Lock No. 70.....	2	23	2
Boonville.....	2	25	.....
Sugar river.....	3	28	3
Little Falls, Black river.....	1	20	4
Port Leyden.....	3	32	7
Lock No. 91.....	1	33	8
Lyon Falls.....	2	35	10
Hawkinsville, on feeder (three miles from Boonville).....	.....	28	3
A. Lee's, on feeder.....	2	30	5
R. B. Miller's, on feeder.....	1	31	6
State dam, on feeder.....	4	35	12
Head of reservoir.....	2	37	10

DISTANCES — CAYUGA AND SENECA CANAL

	Place to place	From New York	From Buffalo
Albany terminal .....	.....	144.80	361.92
Lock No. 2, Erie canal.....	10.40	155.20	351.52
East junction, Erie and Cayuga and Seneca canal.....	200.88	355.20	150.82
West junction, Erie and Cayuga and Seneca canal.....	0.32	356.20	150.52
Lock No. 1 (Mud lock).....	4.07	359.97	154.59
Ithaca, terminal	37.83	397.80	192.42
Lock No. 1 (Mud lock).....	.....	359.97	154.59
Seneca Falls	4.38	304.35	158.97
Waterloo	3.71	308.06	162.68
Geneva	6.94	375.00	169.62
Watkins	32.80	407.80	202.42
Montour Falls, Ayer street.....	2.50	410.30	204.92

DISTANCES — ALBANY TO MONTREAL BY WAY OF HUDSON RIVER,
LAKE CHAMPLAIN AND RICHELIEU AND ST. LAWRENCE RIVERS
(APPROXIMATE DISTANCES)

	Place to place	Total distances
Albany .....	.....	.....
Whitehall	70	70
Rouses Point	105	175
St. John's (canal entrance).....	25	200
Chambly Basin	12	212
St. Ours Lock.....	32	244
Sorel	14	258
Montreal	46	304

**Report Made to the Superintendent of Public Works by the
Inspectors Appointed Under the Steam Navigation Law**

STATE OF NEW YORK
SUPERINTENDENT OF PUBLIC WORKS
BUREAU OF NAVIGATION

ALBANY, *December 5, 1919.*

HON. EDWARD S. WALSH, *Superintendent of Public Works,
Albany, N. Y.:*

DEAR SIR.—In accordance with Section 27, Article II, of the Navigation Law, the inspectors of steam vessels beg to submit the following report:

Licenses issued and renewed during year 1919:

	Master	Pilot	Engineer	Joint Pilot and Engineer
Original	1	8	20	45
Renewal	27	22	47	125
	<hr/> 28	<hr/> 30	<hr/> 67	<hr/> 170
	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>	<hr/> <hr/>

Total number issued during the year..... 295

Steamers inspected during the year..... 28

Motor boats inspected during the year..... 166

Total amount of money collected for inspections, licenses and fines and turned in to the Superintendent of Public Works, twenty-three hundred dollars and fifty cents (\$2,300.50).

Vessels inspected but not certificated pending repairs required or equipment needed: Steamers, none; motor boats, 3. Repairs were ordered or equipment required to be supplied on fifteen boats

and certificates of inspection refused pending compliance, but eventually all except three were certificated.

During the last winter the motor boat "Jollier" of Canada Lake was burned — loss about \$1,000; there was also a fire that swept part of the water-front at Lake Placid, destroying all the boats except one of George & Bliss and A. H. Stevens & Son. These boats were stored for the winter. In all six inspected boats and loss on them of \$15,000.

For the first time since June, 1914, we have to report a life lost on the inland waters under your jurisdiction, this having occurred on October 27 on Raquette lake when there was a collision between the small steamer "Killoquah" and a private motor boat owned by Ernest Johnson, Jr., this latter boat at the time being in tow of launch "Forked," owned and operated by George Harvey. The steamer escaped the first launch but struck the second one, the one in tow, and it sank immediately, when, although near the shore, Mr. Johnson was drowned. From the investigation held by us very soon afterward, it developed that none of the boats had the lights required. No other accidents were reported during the year and, so far as we know, there has been no other loss of life nor personal injury on the boats we inspected nor caused by them.

A license as joint pilot and engineer was refused William Claxton of Lake Mahopac on account of not being a citizen of the United States.

On November 6th a fine of twenty-five dollars was imposed on Adam F. Davenport, master of the steamer Killoquah, and his license revoked for failure to comply with section 12 of the law relative to lights when navigating at night. On the same date a fine of twenty-five dollars was also imposed on George Harvey, owner and operator of the private launch "Forked," for failure to comply with section 38 of the law relative to lights on motor boats when navigated after sunset.

During the year three steamers came in for inspection that we did not have in 1918, and twenty-nine dropped out; the net loss being twenty-six steamers and deficit in tonnage, 1,248 tons. Of the motor boats forty-four dropped out and forty-three came in, leaving one less than last year and practically the same tonnage.

There is now on hand the sum of \$35 held to the credit of the persons named below. This was received as advance payments for

inspections of boats to be made and licenses applied for but not issued, the reason being that when the appointed time came to inspect the boats they could not be located and also when the candidates for licenses were to be examined they could not be found, nor could they be reached nor found in order to return the fees paid in.

April 30, 1914	F. E. Porter, for inspection.....	\$5 00
April 30, 1914	F. E. Porter, for license.....	5 00
May 3, 1916	Clarence Phillips, for license.....	5 00
Sept. 6, 1917	Wm. J. Best, for inspection.....	5 00
July 13, 1918	Theo. Godon, for license.....	5 00
Aug. 9, 1918	J. E. Pierce, for license.....	5 00
Dec. 2, 1918	G. W. Hall, for license.....	5 00
		<hr/>
		\$35 00
		<hr/>

Respectfully submitted,

THEO. T. MERSEREAU,

WM. H. SICKLES, JR.,

Inspectors of Steam Vessels.

STATE OF NEW YORK, }
COUNTY OF ALBANY, } ss.:

William H. Sickles, Jr., and Theo. T. Mersereau, being duly and severally sworn, each for himself, deposes and says that he is an inspector of steam vessels in the State Department of Public Works, appointed pursuant to the provisions of the Navigation Law; that he has prepared and signed the foregoing detailed statement and account, and that the same is a true and correct account of the matters therein referred to.

WM. H. SICKLES, JR.,

THEO. T. MERSEREAU.

Subscribed and sworn to before me,
this 5th day of December, 1919.

JOHN E. WINNE,

Notary Public.

REPORT
OF THE
SUPERINTENDENT OF PUBLIC WORKS
UPON THE
TRADE AND TONNAGE OF THE CANALS FOR THE
YEAR 1919

[257]

ANNUAL ACCOUNT of property (in tons of 2,000 lbs.) shipped on the canals each week during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick
First week of May.....	.....	.....	65	.....	.....	.....
Second week of May.....	.....	.....	.....	1,120	.....	.....
Third week of May.....	.....	.....	122	1,068	846	.....
Fourth week of May.....	1,176	.....	.....	1,716	.....	.....
Fifth week of May.....	.....	.....	55	1,225	.....	.....
Total of May.....	1,176	.....	242	5,129	846	.....
First week of June.....	.....	355	199	1,785	.....	.....
Second week of June.....	1,505	3,118	595	1,253	.....	.....
Third week of June.....	150	760	99	3,014	.....	.....
Fourth week of June.....	2,319	1,533	.....	1,839	285	.....
Total of June.....	3,974	5,766	893	7,891	285	.....
First week of July.....	1,635	.....	118	560	2,394	.....
Second week of July.....	1,400	36	.....	1,894	969	.....
Third week of July.....	2,829	.....	240	1,150	342	.....
Fourth week of July.....	1,025	.....	224	1,366	684	.....
Fifth week of July.....	.....	1	.....	1,304	684	.....
Total of July.....	6,889	37	582	6,274	5,073	.....

First week of August.....	1,389	1,209	156	2,417	342	.....
Second week of August.....	3,606	224	935	1,908	280	.....
Third week of August.....	4,766	325	400	1,331	824	.....
Fourth week of August.....	655	269	1,197	1,856	984	.....
Total of August.....	10,416	2,027	2,688	7,512	2,430	.....
First week of September.....	1,030	.....	260	1,156	850	.....
Second week of September.....	392	1,401	635	2,907	1,506	.....
Third week of September.....	224	.....	500	578	1,445	.....
Fourth week of September.....	.....	.....	256	2,504	927	.....
Total of September.....	1,646	1,401	1,551	7,145	4,728	.....
First week of October.....	2,716	.....	156	683	1,203	.....
Second week of October.....	.....	.....	.....	1,296	727	.....
Third week of October.....	.....	225	291	2,415	586	.....
Fourth week of October.....	805	.....	656	1,838	2,224	.....
Fifth week of October.....	1,596	.....	1	595	927	.....
Total of October.....	5,117	225	1,104	6,827	5,667	.....
First week of November.....	1,014	.....	.....	2,468	532	.....
Second week of November.....	633	50	.....	1,190	637	263
Third week of November.....	1,960	.....	.....	1,120	585	500
Fourth week of November.....	.....	.....	.....	595	589	280
Total of November.....	3,607	50	.....	5,373	2,343	1,043
Season total.....	32,825	9,506	7,060	46,151	21,372	1,043

Annual account of property (in tons) shipped, etc. — (Continued)

	MANUFACTURED PRODUCTS				
	Salt	Sugar	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.
First week of May.....	.....	.....	.....	275	.....
Second week of May.....	.....	.....	.....	.....	.....
Third week of May.....	.....	.....	.....	714	.....
Fourth week of May.....	.....	162	.....	196	.....
Fifth week of May.....	1,410	711	.....	613	.....
Total of May.....	1,410	873	.....	1,798	.....
First week of June.....	1,200	.....	.....	259	.....
Second week of June.....	960	431	.....	663	.....
Third week of June.....	2,956	.....	.....	17	78
Fourth week of June.....	735	.....	.....	.....	.....
Total of June.....	5,851	431	.....	939	78
First week of July.....	2,563	71	459	1,235	97
Second week of July.....	1,450	18	.....	225	.....
Third week of July.....	3,045	442	.....	200	246
Fourth week of July.....	2,631	.....	.....	421	146
Fifth week of July.....	.....	194	.....	311	.....
Total of July.....	9,689	725	459	2,392	489

First week of August.....	2,841	.....	30	366	.....	.....
Second week of August.....	2,641	.....	.....	319	466	.....
Third week of August.....	1,980	20	.....	676	.....	190
Fourth week of August.....	1,705	.....	.....	493	.....	.....
Total of August.....	9,167	20	30	1,854	466	190
First week of September.....	.....	.....	.....	78	.....	.....
Second week of September.....	1,210	67	.....	842	.....	237
Third week of September.....	705	23	.....	250	.....	.....
Fourth week of September.....	1,965	.....	.....	200	.....	.....
Total of September.....	3,880	90	.....	1,370	.....	237
First week of October.....	1,745	45	.....	562	.....	.....
Second week of October.....	.....	.....	.....	210	.....	.....
Third week of October.....	1,205	.....	.....	.....	.....	.....
Fourth week of October.....	985	.....	.....	.....	.....	.....
Fifth week of October.....	2,209	.....	.....	.....	.....	.....
Total of October.....	6,144	45	.....	772	.....	.....
First week of November.....	1,245	.....	.....	455	.....	.....
Second week of November.....	1,230	.....	.....	600	.....	.....
Third week of November.....	.....	.....	.....	200	.....	.....
Fourth week of November.....	425	.....	.....	438	.....	190
Total of November.....	2,890	.....	.....	1,693	.....	190
Season total.....	39,031	2,184	489	10,818	466	1,184

Annual account of property (in tons) shipped, etc. — (Continued)

	MANUFACTURED PRODUCTS				
	Textiles, boots, shoes, etc.	Furniture and household furnishings	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.
First week of May.....	.....	.....	.....	.....	35
Second week of May.....	.....	.....	.....	.....	.....
Third week of May.....	.....	.....	.....	.....	253
Fourth week of May.....	.....	.....	.....	.....	1,120
Fifth week of May.....	.....	.....	.....	.....	960
Total of May.....	.....	.....	.....	.....	1,408
First week of June.....	.....	.....	.....	.....	939
Second week of June.....	.....	.....	.....	.....	487
Third week of June.....	.....	.....	.....	.....	477
Fourth week of June.....	.....	.....	34	.....	25
Total of June.....	.....	.....	34	.....	554
First week of July.....	.....	.....	.....	.....	2,336
Second week of July.....	102	.....	.....	.....	482
Third week of July.....	.....	.....	.....	.....	516
Fourth week of July.....	56	.....	.....	.....	.....
Fifth week of July.....	.....	.....	.....	.....	371
Total of July.....	158	.....	.....	.....	481
					1,850
					744

First week of August.....	.....	.....	.....	1,148	.....	.....	.....	.....	.....
Second week of August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Third week of August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fourth week of August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of August.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
First week of September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Second week of September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Third week of September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fourth week of September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of September.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
First week of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Second week of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Third week of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fourth week of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fifth week of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of October.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
First week of November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Second week of November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Third week of November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fourth week of November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of November.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Season total.....	158	403	8,164	1,683	14,126	1,904	1,484	6,644	.....

Annual account of property (in tons) shipped, etc. — (Continued)

	PRODUCTS OF ANIMALS		MISCELLANEOUS PRODUCTS			Products of Agriculture — Wheat
	Hides, leather and wool	All other	Ice	Merchandise N. O. S.	All other	
First week of May.....	.....	.....	.....	.....	.....	.....
Second week of May.....	.....	.....	.....	.....	.....	.....
Third week of May.....	.....	.....	.....	.....	125	9,568
Fourth week of May.....	.....	.....	1,333	30	.....	.....
Fifth week of May.....	.....	.....	1,624	60	168	.....
Total of May.....	.....	.....	2,957	90	293	9,568
First week of June.....	.....	.....	2,229	70	224	1,530
Second week of June.....	.....	.....	2,756	568	30	.....
Third week of June.....	.....	.....	1,575	158	306	.....
Fourth week of June.....	323	.....	5,150	228	348	.....
Total of June.....	323	.....	11,710	1,024	908	1,530
First week of July.....	66	.....	4,605	422	64	.....
Second week of July.....	.....	.....	3,050	504	35	.....
Third week of July.....	.....	.....	3,465	689	15	.....
Fourth week of July.....	.....	.....	3,108	830	20	.....
Fifth week of July.....	.....	.....	2,040	742	20	.....
Total of July.....	66	.....	16,268	3,187	154	.....

First week of August.....	.....	.....	.....	908	520	16	.....
Second week of August.....	60	.....	.....	280	401	16	.....
Third week of August.....	.....	.....	.....	2,792	848	16	.....
Fourth week of August.....	98	.....	.....	1,172	318	23	.....
Total of August.....	158	.....	.....	5,152	2,087	71	.....
First week of September.....	.....	.....	10	.....	312	.....	.....
Second week of September.....	.....	.....	16	1,557	727	.....	.....
Third week of September.....	213	.....	.....	2,878	562	18	.....
Fourth week of September.....	.....	.....	.....	280	755	16	960
Total of September.....	213	.....	26	4,715	2,356	34	960
First week of October.....	.....	.....	.....	560	465	8	.....
Second week of October.....	.....	.....	.....	.....	407	.....	960
Third week of October.....	.....	.....	.....	1,400	1,313	.....	.....
Fourth week of October.....	.....	.....	.....	280	2,427	.....	940
Fifth week of October.....	.....	.....	.....	840	755	.....	960
Total of October.....	.....	.....	.....	3,080	5,367	8	2,860
First week of November.....	.....	.....	.....	840	551	.....	.....
Second week of November.....	.....	.....	.....	840	75	.....	.....
Third week of November.....	.....	.....	.....	560	442	.....	1,110
Fourth week of November.....	.....	.....	.....	1,120	50	.....	.....
Total of November.....	.....	.....	.....	3,360	1,118	.....	1,110
Season total.....	760	.....	26	47,242	15,229	1,468	16,028

Annual account of property (in tons) shipped, etc. — (Continued)

	PRODUCTS OF AGRICULTURE					
	Corn	Oats	Rye	Barley	Flour	Hay
First week of May.....
Second week of May.....
Third week of May.....	5,879	.....	.....	.....	110
Fourth week of May.....	1,159	.....	.....	.....	.....
Fifth week of May.....
Total of May.....	7,038	.....	.....	.....	110
First week of June.....	3,751	.....	.....	.....	.....
Second week of June.....
Third week of June.....	1,600	.....	.....	.....	151
Fourth week of June.....	459
Total of June.....	5,351	.....	.....	.....	610
First week of July.....	1,915	.....	.....	.....	40
Second week of July.....	1,920	.....	.....	105	.....
Third week of July.....	5,487	.....	480	20	191
Fourth week of July.....	2,688	.....	4,442	.....	.....
Fifth week of July.....	4,917	.....	840	.....	.....
Total of July.....	16,927	.....	5,762	125	231

First week of August.....	.....	.....	.....	.....	.....	.....	.....
Second week of August.....	1,008	380	.....	.....	5,162	400	.....
Third week of August.....	.....	6,896	.....	.....	960	500	.....
Fourth week of August.....	.....	1,152	.....	.....	557	.....	.....
Total of August.....	1,008	8,428	.....	.....	6,679	900	.....
First week of September.....	.....	983	.....	.....	.....	1,476	.....
Second week of September.....	.....	2,304	.....	.....	.....	793	.....
Third week of September.....	.....	3,153	.....	9,377	.....	400	.....
Fourth week of September.....	.....	736	.....	3,990	960	.....	.....
Total of September.....	.....	7,176	.....	13,367	960	2,669	.....
First week of October.....	.....	736	.....	5,123	.....	.....	.....
Second week of October.....	.....	368	.....	4,775	.....	.....	272
Third week of October.....	.....	736	.....	5,515	.....	.....	202
Fourth week of October.....	.....	2,904	.....	2,363	.....	.....	.....
Fifth week of October.....	.....	.....	.....	504	1,451	.....	206
Total of October.....	.....	4,744	.....	18,280	1,451	.....	680
First week of November.....	.....	2,896	.....	9,206	.....	.....	.....
Second week of November.....	.....	.....	.....	6,427	.....	480	257
Third week of November.....	.....	.....	.....	8,064	248	300	30
Fourth week of November.....	.....	.....	.....	.....	.....	.....	294
Total of November.....	.....	2,896	.....	23,697	248	780	581
Season total.....	1,008	52,560	.....	55,344	15,100	4,474	2,212

Annual account of property (in tons) shipped, etc. — (Continued)

	PRODUCTS OF AGRICULTURE				PRODUCTS OF FOREST	
	Flaxseed	Cotton	Fruits and vegetables	All other	Lumber	Weed pulp
First week of May.....	.....	.....	.....	.....	.....	.....
Second week of May.....	.....	.....	.....	.....	255	.....
Third week of May.....	1,464	.....	.....	.....	.....	.....
Fourth week of May.....	.....	.....	.....	.....	.....	.....
Fifth week of May.....	.....	.....	.....	.....	2,897	.....
Total of May.....	1,464	.....	.....	.....	3,152	.....
First week of June.....	1,372	.....	.....	.....	2,708	.....
Second week of June.....	2,081	.....	.....	.....	3,528	.....
Third week of June.....	.....	.....	.....	.....	3,441	.....
Fourth week of June.....	3,750	.....	.....	.....	12,634	.....
Total of June.....	7,203	.....	.....	.....	22,311	.....
First week of July.....	448	.....	.....	.....	4,429	.....
Second week of July.....	1,176	.....	.....	.....	1,420	.....
Third week of July.....	2,930	.....	.....	.....	8,860	.....
Fourth week of July.....	1,740	.....	.....	.....	4,089	.....
Fifth week of July.....	.....	.....	.....	.....	1,627	.....
Total of July.....	6,294	.....	.....	.....	20,425	.....

First week of August.....	.....	.....	.....	.....	7,484	.....
Second week of August.....	.....	.....	.....	.....	4,837	.....
Third week of August.....	.....	.....	.....	319	6,030	.....
Fourth week of August.....	.....	.....	.....	.....	3,601	.....
Total of August.....	1,999	.....	157	319	21,952	.....
First week of September.....	5,401	.....	.....	.....	4,595	.....
Second week of September.....	3,774	.....	.....	.....	7,963	2,187
Third week of September.....	1,825	.....	5	.....	4,985	.....
Fourth week of September.....	642	.....	.....	.....	5,426	.....
Total of September.....	11,642	.....	5	.....	22,969	2,187
First week of October.....	1,708	.....	.....	.....	6,195	4,022
Second week of October.....	4,577	.....	15	.....	3,135	.....
Third week of October.....	.....	.....	21	.....	7,822	.....
Fourth week of October.....	.....	224	.....	.....	4,253	.....
Fifth week of October.....	448	.....	.....	.....	7,709	435
Total of October.....	6,733	224	36	.....	29,114	4,457
First week of November.....	840	.....	105	.....	2,490	.....
Second week of November.....	938	.....	.....	5	5,252	.....
Third week of November.....	.....	.....	.....	.....	5,392	588
Fourth week of November.....	.....	.....	209	.....	10,424	576
Total of November.....	1,778	.....	314	5	23,558	1,164
Season total.....	37,113	224	512	324	143,481	7,808

Annual account of property (in tons) shipped, etc. — (Continued)

	PRODUCTS OF FOREST			PRODUCTS OF THE GROUND	
	Pulpwood	Shingles, lath	All other	Anthracite coal	Bituminous coal
First week of May.....	1,009	.....
Second week of May.....	840	959	507
Third week of May.....	600	4,386	.....
Fourth week of May.....	1,998	908
Fifth week of May.....	5,024	5,285	1,811
Total of May.....	6,464	13,637	3,226
First week of June.....	4,931	501
Second week of June.....	1,232	2,494	.....
Third week of June.....	1,376	341
Fourth week of June.....	1,040	5,329	250
Total of June.....	2,272	14,130	1,092
First week of July.....	700	2,995	494
Second week of July.....	3,658	122
Third week of July.....	616	130	1,140	3,680	.....
Fourth week of July.....	280	.....	582	4,083	379
Fifth week of July.....	3,612	.....
Total of July.....	896	130	2,422	18,028	995

First week of August.....	864	.....	1,122	2,769	808
Second week of August.....	602	.....	1,120	3,226	.....
Third week of August.....	2,447	.....	980	2,662	778
Fourth week of August.....	1,011	.....	1,400	1,050	.....
Total of August.....	4,914	.....	4,622	9,707	1,586
First week of September.....	823	.....	700	2,174	.....
Second week of September.....	.....	.....	.....	2,229	520
Third week of September.....	1,089	.....	.....	538	709
Fourth week of September.....	1,433	.....	840	4,533	.....
Total of September.....	3,345	.....	1,540	9,474	1,229
First week of October.....	776	.....	280	1,779	140
Second week of October.....	580	.....	1,680	1,149	.....
Third week of October.....	3,366	.....	806	2,913	303
Fourth week of October.....	1,949	.....	2,206	2,452	557
Fifth week of October.....	1,622	.....	1,152	455	.....
Total of October.....	8,293	.....	6,124	8,748	1,000
First week of November.....	.....	.....	20	2,099	.....
Second week of November.....	1,708	.....	320	2,699	.....
Third week of November.....	.....	.....	.....	871	.....
Fourth week of November.....	448	.....	.....	3,395	.....
Total of November.....	2,156	.....	340	9,064	.....
Season total.....	19,604	130	23,784	82,788	9,128

Annual account of property (in tons) shipped, etc. — (Concluded)

	PRODUCTS OF THE GROUND				Total
	Iron ore	Sand, stone, gravel	Clay	All other	
First week of May.....	.....	259	.....	.....	1,643
Second week of May.....	.....	.....	532	.....	4,213
Third week of May.....	.....	4,650	1,694	.....	31,479
Fourth week of May.....	1,092	10,874	225	.....	21,989
Fifth week of May.....	.....	12,800	792	269	35,704
Total of May.....	1,092	28,583	3,243	269	95,028
First week of June.....	.....	13,936	709	1,305	39,235
Second week of June.....	1,120	11,969	541	.....	34,099
Third week of June.....	2,632	13,923	2,500	.....	35,579
Fourth week of June.....	.....	14,277	477	.....	51,997
Total of June.....	3,752	54,105	4,227	1,305	160,910
First week of July.....	1,114	13,396	.....	538	40,942
Second week of July.....	.....	15,682	252	813	35,245
Third week of July.....	3,136	16,009	1,007	343	56,692
Fourth week of July.....	.....	16,548	1,374	448	48,279
Fifth week of July.....	2,240	14,699	1,124	.....	34,836
Total of July.....	6,490	76,334	3,757	2,142	215,994

First week of August.....	2,576	13,029	474	.....	45,620
Second week of August.....	2,212	14,855	728	691	44,163
Third week of August.....	.....	18,965	.....	573	55,881
Fourth week of August.....	2,240	19,753	678	600	43,932
Total of August.....	7,028	66,602	1,880	1,864	189,596
First week of September.....	1,624	14,744	.....	616	37,328
Second week of September.....	1,120	13,853	1,623	1,328	50,417
Third week of September.....	.....	13,378	745	.....	44,968
Fourth week of September.....	1,932	15,776	263	1,968	48,932
Total of September.....	4,676	57,751	2,631	3,912	181,645
First week of October.....	1,866	14,959	1,071	1,780	49,696
Second week of October.....	.....	16,951	235	1,107	38,996
Third week of October.....	2,623	14,568	1,374	908	49,990
Fourth week of October.....	2,520	17,397	231	600	51,483
Fifth week of October.....	2,240	15,667	.....	.....	40,970
Total of October.....	9,249	79,542	2,911	4,395	231,135
First week of November.....	3,332	13,745	685	2,387	46,160
Second week of November.....	1,400	14,709	.....	1,894	41,838
Third week of November.....	2,240	13,763	280	.....	40,154
Fourth week of November.....	2,520	14,495	.....	.....	36,384
Total of November.....	9,492	56,712	965	4,281	164,536
Season total.....	41,779	419,629	19,614	18,168	1,238,844

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried on the canals during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt
May	1,176	.....	242	5,129	846	.....	1,410
June	3,974	5,766	893	7,891	285	.....	5,851
July	6,889	37	582	6,274	5,073	.....	9,689
August	10,416	2,027	2,688	7,512	2,430	.....	9,167
September	1,646	1,401	1,551	7,145	4,728	.....	3,880
October	5,117	225	1,104	6,827	5,667	.....	6,144
November	3,607	50	.....	5,373	2,343	1,043	2,890
Total	32,825	9,506	7,060	46,151	21,372	1,043	39,031

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

MANUFACTURED PRODUCTS							
	Sugar	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Paper and paper products	Textiles, boots, shoes, etc.	Furniture and household furnishings
May	873	.....	1,798	.....	.....	.....	.....
June.	431	.....	939	.....	78	.....	.....
July	725	459	2,392	.....	489	158	.....
August	20	30	1,854	466	190	.....	.....
September	90	.....	1,370	.....	237	.....	400
October.	45	.....	772	.....	.....	.....	3
November. . . . .	.....	.....	1,693	.....	190	.....	.....
Total.	2,184	489	10,818	466	1,184	158	403

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	MANUFACTURED PRODUCTS				PRODUCTS OF ANIMALS		Miscellaneous products— Ice
	Oil meal and cake	Fertilisers	Chemicals, drugs, etc.	All other	Hides, leather and wool	All other	
May .....	.....	.....	960	1,408	.....	.....	2,957
June.....	34	.....	2,336	579	323	.....	11,710
July .....	.....	.....	1,850	744	66	.....	16,268
August	1,675	1,148	1,994	866	158	.....	5,152
September	1,515	535	2,622	688	213	26	4,715
October.....	4,600	.....	2,460	875	.....	.....	3,080
November.....	340	.....	1,904	1,484	.....	.....	3,360
Total.....	8,164	1,683	14,126	6,644	760	26	47,242

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE				
	Merchandise N. O. S.	All other	Wheat	Corn	Oats	Rye	Barley
May	90	293	9,568	.....	7,038	.....	.....
June	1,024	908	1,630	.....	5,351	.....	.....
July	3,187	154	.....	.....	16,927	.....	5,762
August	2,087	71	.....	1,008	8,428	.....	6,679
September	2,356	34	960	.....	7,176	13,367	960
October	5,367	8	2,860	.....	4,744	18,280	1,451
November	1,118	.....	1,110	.....	2,896	23,697	248
Total	15,229	1,468	16,028	1,008	52,560	55,344	15,100

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	PRODUCTS OF AGRICULTURE					
	Flour	Hay	Flaxseed	Cotton	Fruits and vegetables	All other
May.....	.....	110	1,464	.....	.....	.....
June.....	.....	610	7,203	.....	.....	.....
July.....	125	231	6,294	.....	.....	.....
August.....	900	.....	1,999	.....	157	319
September.....	2,669	.....	11,642	.....	5	.....
October.....	.....	680	6,733	224	36	.....
November.....	780	581	1,778	.....	314	5
Total.....	4,474	2,212	37,113	224	512	324

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	PRODUCTS OF FOREST					Products of the ground— Antiracite coal
	Lumber	Wood pulp	Pulpwood	Shingles, lath	All other	
May.....	3,152	.....	.....	.....	6,464	13,637
June.....	22,311	.....	.....	.....	2,272	14,130
July.....	20,425	.....	896	130	2,422	18,028
August.....	21,952	.....	4,914	.....	4,622	9,707
September.....	22,969	2,187	3,345	.....	1,540	9,474
October.....	29,114	4,457	8,293	.....	6,124	8,748
November.....	23,558	1,164	2,156	.....	340	9,064
Total.....	143,481	7,808	19,604	130	23,784	82,788

Annual statement showing total quantity (in tons) carried, etc. — (Concluded)

	PRODUCTS OF THE GROUND					Total
	Bituminous coal	Iron ore	Sand, stone, gravel	Clay	All other	
May	3,226	1,092	28,583	3,243	269	95,028
June	1,092	3,752	54,105	4,227	1,305	160,910
July	995	6,490	76,334	3,757	2,142	215,994
August	1,586	7,028	66,602	1,880	1,864	189,696
September	1,229	4,676	57,751	2,631	3,912	181,645
October	1,000	9,249	79,542	2,911	4,395	231,135
November .....	.....	9,492	56,712	965	4,281	164,536
Total	9,128	41,779	419,629	19,614	18,168	1,238,844

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight on the canals for the season of 1919

	MANUFACTURED PRODUCTS						
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt
May	1,176	.....	.....	.....	846	.....	1,410
June	3,974	5,766	.....	.....	285	.....	5,851
July	6,889	1	.....	2	285	.....	9,689
August	10,416	1,798	1,525	.....	420	.....	9,167
September	1,646	1,401	1,000	.....	1,066	.....	3,880
October	5,117	225	657	.....	1,955	.....	6,144
November	3,607	50	.....	.....	300	1,043	2,890
Total	32,825	9,241	3,182	2	5,157	1,043	39,031

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS						
	Implements, vehicles, and parts	Machinery and tools	Wines, liquors, etc.	Paper and paper products	Furniture and household furnishings	Oil meal and cake	Chemicals, drugs, etc.
May.....	.....	920	.....	.....	.....	.....	960
June.....	.....	372	.....	.....	.....	.....	2,336
July.....	459	1,131	.....	489	.....	.....	1,657
August.....	.....	1,167	466	190	.....	1,675	1,716
September.....	.....	835	.....	237	400	1,515	2,622
October.....	.....	414	.....	.....	3	4,600	2,408
November.....	.....	1,005	.....	190	.....	340	1,904
Total.....	459	5,844	466	1,106	403	8,130	13,603

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	All other manufactured products	Products of animals	MISCELLANEOUS PRODUCTS				PRODUCTS OF AGRICULTURE	
			Ice	Merchandise N. O. S.	All other	Wheat	Oats	
May	128	.....	2,677	90	.....	9,568	7,038	
June .....	.....	.....	10,635	455	.....	1,530	5,351	
July .....	.....	.....	13,828	360	130	.....	16,927	
August .....	.....	.....	840	563	48	.....	8,428	
September .....	.....	26	4,715	701	34	960	7,176	
October .....	.....	.....	3,080	1,512	8	2,860	4,744	
November	336	.....	3,360	175	.....	1,110	2,896	
Total	464	26	39,135	3,856	220	16,028	52,560	

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

PRODUCTS OF AGRICULTURE						
	Rye	Barley	Flour	Hay	Fruits and vegetables	All other
May	.....	.....	.....	110	.....	.....
June	.....	.....	.....	610	.....	.....
July	.....	5,762	125	231	.....	.....
August	.....	6,679	900	.....	.....	.....
September	13,367	960	2,669	.....	5	.....
October	18,280	1,451	.....	680	36	.....
November	23,697	248	780	581	314	5
Total	55,344	15,100	4,474	2,212	355	5

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	PRODUCTS OF FOREST					Products of the ground— Anthracite coal
	Lumber	Wood pulp	Pulpwood	Shingles, lath	All other	
May.....	3,152	.....	.....	.....	6,464	.....
June.....	22,311	.....	.....	.....	2,272	370
July.....	20,425	.....	896	130	2,422	4,250
August.....	21,952	.....	4,914	.....	4,620	2,900
September.....	22,620	2,187	3,345	.....	1,540	3,800
October.....	29,004	4,457	7,195	.....	6,104	3,300
November.....	22,111	1,164	1,400	.....	280	6,000
Total.....	141,575	7,808	17,750	130	23,702	20,620

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Iron ore	Sand, stone, gravel	All other	
May.....	.....	1,092	1,550	.....	37,181
June.....	.....	3,752	3,768	.....	69,638
July.....	.....	6,490	11,530	.....	104,108
August.....	.....	7,028	7,705	1,173	96,290
September.....	520	4,676	5,416	1,138	90,457
October.....	.....	9,249	11,018	2,592	127,093
November.....	.....	9,492	11,483	494	97,255
Total.....	520	41,779	52,470	5,397	622,022

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound freight on the canals for the season of 1919

MANUFACTURED PRODUCTS							
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Sugar	Implements, vehicles and parts	Machinery and tools
May	.....	242	5,129	.....	873	.....	878
June	.....	893	7,891	.....	431	.....	567
July	36	582	6,272	4,788	725	.....	1,261
August	229	1,163	7,512	2,010	20	30	687
September	.....	551	7,145	3,662	90	.....	535
October	.....	447	6,827	3,712	45	.....	358
November	.....	.....	5,373	2,043	.....	.....	688
Total	265	3,878	46,149	16,215	2,184	30	4,974

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS					
	Paper and paper products	Textiles, boots, shoes, etc.	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other
May .....	.....	.....	.....	.....	.....	1,280
June	78	.....	34	.....	.....	579
July .....	.....	158	.....	.....	193	744
August .....	.....	.....	.....	1,148	278	866
September .....	.....	.....	.....	535	.....	688
October .....	.....	.....	.....	.....	52	875
November .....	.....	.....	.....	.....	.....	1,148
Total	78	158	34	1,683	523	6,180

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	Products of animals Hides, leather and wool	MISCELLANEOUS PRODUCTS			PRODUCTS OF AGRICULTURE	
		Ice	Merchandise N. O. S.	All other	Corn	Flaxseed
May.....	.....	280	.....	293	.....	1,464
June.....	323	1,075	569	908	.....	7,203
July.....	66	2,440	2,827	24	.....	6,294
August.....	158	4,312	1,524	23	1,008	1,999
September.....	213	.....	1,655	.....	.....	11,642
October.....	.....	.....	3,855	.....	.....	6,733
November.....	.....	.....	943	.....	.....	1,778
Total.....	760	8,107	11,373	1,248	1,008	37,113

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	PRODUCTS OF AGRICULTURE			PRODUCTS OF FOREST		
	Cotton	Fruits and vegetables	All other	Lumber	Pulpwood	All other
May .....	.....	.....	.....	.....	.....	.....
June .....	.....	.....	.....	.....	.....	.....
July .....	.....	.....	.....	.....	.....	.....
August .....	.....	157	319	.....	.....	2
September .....	.....	.....	.....	349	.....	.....
October	224	.....	.....	110	1,098	20
November .....	.....	.....	.....	1,447	756	60
Total	224	157	319	1,906	1,854	82

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Concluded)

	PRODUCTS OF THE GROUND					Total
	Anthracite coal	Bituminous coal	Sand, stone, gravel	Clay	All other	
May	13,637	3,226	27,033	3,243	269	57,847
June	13,760	1,092	50,337	4,227	1,305	91,272
July	13,778	995	64,804	3,757	2,142	111,886
August	6,807	1,586	58,897	1,880	691	93,306
September	5,674	709	52,335	2,631	2,774	91,188
October	5,448	1,000	68,524	2,911	1,803	104,042
November	3,064	.....	45,229	965	3,787	67,281
Total	62,168	8,608	367,159	19,614	12,771	616,822

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight going east and west during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Salt	Sugar	Machinery and tools
May	1,176	.....	.....	2,905	.....	434	.....
June	3,974	5,295	.....	3,809	.....	.....	13
July	6,889	.....	.....	1,407	.....	290	314
August	10,416	2,022	1,525	1,261	651	20	.....
September	1,646	1,401	1,000	1,821	.....	90	.....
October	5,117	225	500	1,365	489	45	.....
November	3,607	.....	.....	.....	425	.....	.....
Total	32,825	8,943	3,025	12,568	1,565	879	327

Annual statement showing total quantity (in tons) of through freight going east and west, etc.—(Continued)

	MANUFACTURED PRODUCTS						
	Paper and paper products	Textiles, boots, shoes, etc.	Furniture and household furnishings	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other
May	78	.....	.....	.....	.....	.....	1,245
June . . . . .	.....	.....	.....	34	.....	.....	579
July . . . . .	.....	158	.....	.....	.....	191	726
August . . . . .	.....	.....	.....	1,675	1,148	278	642
September . . . . .	.....	.....	400	1,515	535	.....	688
October . . . . .	.....	.....	.....	4,600	.....	52	581
November . . . . .	.....	.....	.....	340	.....	.....	862
Total	78	158	400	8,164	1,683	521	5,323

Annual statement showing total quantity (in tons) of through freight going east and west, etc.—(Continued)

	PRODUCTS OF ANIMALS		MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE		
	Hides, leather and wool	All other	Merchandise N. O. S.	All other	Wheat	Oats	Eye
May .....	.....	.....	.....	293	9,568	7,038	.....
June	323	.....	569	773	1,530	5,351	.....
July	66	.....	2,508	.....	.....	16,543	.....
August	458	.....	805	.....	.....	8,428	.....
September	213	26	1,421	34	960	7,176	13,367
October .....	.....	.....	2,328	8	2,860	4,744	18,280
November .....	.....	.....	893	.....	1,110	2,896	23,697
Total	760	26	8,524	1,108	16,028	52,176	55,344

Annual statement showing total quantity (in tons) of through freight going east and west, etc.—(Continued)

PRODUCTS OF AGRICULTURE							
	Barley	Flour	Hay	Flaxseed	Cotton	Fruits and vegetables	All other
May .....	.....	.....	110	1,464	.....	.....	.....
June .....	.....	.....	610	7,203	.....	.....	.....
July	5,762	125	191	6,294	.....	.....	.....
August	6,679	900	.....	1,999	.....	157	319
September	960	2,669	.....	11,642	.....	5	.....
October	1,451	.....	637	6,733	224	.....	.....
November	248	780	506	1,778	.....	.....	.....
Total	15,100	4,474	2,054	37,113	224	162	319

Annual statement showing total quantity (in tons) of through freight going east and west, etc.—(Continued)

	PRODUCTS OF FOREST				MANUFACTURED PRODUCTS	
	Lumber	Wood pulp	Pulpwood	All other	Anthracite coal	Bituminous coal
May.....	2,209	.....	.....	2,300	11,113	1,828
June.....	12,376	.....	.....	1,680	9,603	1,092
July.....	9,996	.....	616	2,320	10,017	873
August.....	11,756	.....	.....	4,520	4,670	1,321
September.....	12,450	.....	.....	840	2,397	1,229
October.....	13,711	138	.....	5,360	1,660	860
November.....	11,586	.....	.....	280	676	.....
Total.....	74,084	138	616	17,300	40,136	7,203

Annual statement showing total quantity (in tons) of through freight going east and west, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Iron ore	Sand, stone, gravel	Clay	All other	
May	1,092	859	3,018	.....	46,652
June	3,752	1,927	3,531	801	64,903
July	6,490	5,497	3,219	477	80,969
August	7,028	4,739	1,432	.....	74,549
September	4,676	3,419	2,401	1,657	76,638
October	9,249	2,281	2,221	1,439	87,158
November	9,492	829	685	1,681	62,371
Total	41,779	19,551	16,507	6,055	493,240

**ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound through freight on the canals
during the season of 1919**

	MANUFACTURED PRODUCTS					
	Iron, pig and bloom	Iron or steel articles	Other metals	Salt	Furniture and household furnishings	Oil meal and cake
May	1,176	.....	.....	.....	.....	.....
June	3,974	5,295	.....	.....	.....	.....
July	6,889	.....	.....	.....	.....	.....
August	10,416	1,798	1,525	651	.....	1,675
September	1,646	1,401	1,000	.....	400	1,515
October	5,117	225	500	489	.....	4,600
November	3,607	.....	.....	425	.....	340
Total	32,825	8,719	3,025	1,565	400	8,130

Annual statement showing total quantity (in tons) of eastbound through freight, etc. — (Continued)

	Products of animals	MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE		
		Merchandise N. O. S.	All other	Wheat	Oats	Rye
May .....	.....	.....	.....	9,568	7,038	.....
June .....	.....	.....	.....	1,530	5,351	.....
July .....	.....	.....	.....	.....	16,543	.....
August .....	.....	.....	.....	.....	8,428	.....
September	26	1	34	960	7,176	13,367
October .....	.....	486	8	2,860	4,744	18,280
November .....	.....	.....	.....	1,110	2,896	23,697
Total	26	487	42	16,028	52,176	55,344

Annual statement showing total quantity (in tons) of eastbound through freight, etc. — (Continued)

	PRODUCTS OF AGRICULTURE				PRODUCTS OF FOREST	
	Barley	Flour	Hay	Fruits and vegetables	Lumber	Wood pulp
May .....	.....	.....	110	.....	2,209	.....
June .....	.....	.....	610	.....	12,376	.....
July	5,762	125	191	.....	9,996	.....
August	6,679	900	.....	.....	11,756	.....
September	960	2,669	.....	5	12,450	.....
October	1,451	.....	637	.....	13,711	138
November	248	780	506	.....	11,586	.....
Total	15,100	4,474	2,054	5	74,084	138

Annual statement showing total quantity (in tons) of eastbound through freight, etc. — (Concluded)

	PRODUCTS OF FOREST		PRODUCTS OF THE GROUND			Total
	Pulpwood	All other	Bituminous coal	Iron ore	All other	
May .....	.....	2,300	.....	1,092	.....	23,493
June .....	.....	1,680	.....	3,752	.....	34,568
July	616	2,320	.....	6,490	.....	48,932
August .....	.....	4,520	.....	7,028	.....	55,376
September .....	.....	840	520	4,676	.....	49,646
October .....	.....	5,360	.....	9,249	308	68,163
November .....	.....	280	.....	9,492	134	55,101
Total	616	17,300	520	41,779	442	335,279

*ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound through freight on the canals
during the season of 1919*

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Petroleum and other oil	Sugar	Machinery and tools	Paper and paper products	Textiles, boots, shoes, etc.
May .....	.....	2,905	434	.....	.....	.....
June .....	.....	3,809	.....	13	78	.....
July .....	.....	1,407	290	314	.....	158
August	224	1,261	20	.....	.....	.....
September .....	.....	1,821	90	.....	.....	.....
October .....	.....	1,365	45	.....	.....	.....
November .....	.....	.....	.....	.....	.....	.....
Total	224	12,568	879	327	78	158

Annual statement showing total quantity (in tons) of westbound through freight, etc. — (Continued)

	MANUFACTURED PRODUCTS				Products of animals, hides, leather and wool	Miscellaneous products, merchandise N. O. S.
	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other		
May .....	.....	.....	.....	1,245	.....	.....
June	34	.....	.....	579	323	569
July .....	.....	.....	191	726	66	2,508
August .....	.....	1,148	278	642	158	805
September .....	.....	535	.....	688	213	1,420
October .....	.....	.....	52	581	.....	1,842
November .....	.....	.....	.....	862	.....	893
Total	34	1,683	521	5,323	760	8,037

Annual statement showing total quantity (in tons) of westbound through freight, etc. — (Continued)

	All other miscellaneous products	PRODUCTS OF AGRICULTURE				Products of the ground—Anthracite coal
		Flaxseed	Cotton	Fruits and vegetables	All other	
May	293	1,464	.....	.....	.....	11,113
June	773	7,203	.....	.....	.....	9,603
July .....	.....	6,294	.....	.....	.....	10,017
August .....	.....	1,999	.....	157	319	4,670
September .....	.....	11,642	224	.....	.....	2,397
October .....	.....	6,733	.....	.....	.....	1,660
November .....	.....	1,778	.....	.....	.....	676
Total	1,066	37,113	224	157	319	40,136

Annual statement showing total quantity (in tons) of westbound through freight, etc. — (Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone and gravel	Clay	All other	
May	1,828	859	3,018	.....	23,159
June	1,092	1,927	3,531	801	30,335
July	873	5,497	3,219	477	32,037
August	1,321	4,739	1,432	.....	19,173
September	709	3,419	2,401	1,657	26,992
October	860	2,281	2,221	1,131	18,995
November .....	.....	829	685	1,547	7,270
Total	6,683	19,551	16,507	5,613	157,961

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight going east and west during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt
May .....	.....	242	2,224	846	.....	1,410
June	471	893	4,082	285	.....	5,851
July	37	582	4,867	5,073	.....	9,689
August	5	1,163	6,251	2,430	.....	8,516
September .....	.....	551	5,324	4,728	.....	3,880
October .....	.....	604	5,462	5,667	.....	5,655
November	50	.....	5,373	2,243	1,043	2,465
Total	563	4,035	33,583	21,372	1,043	37,466
						1,305

Annual statement showing total quantity (in tons) of local freight going east and west, etc.—(Continued)

MANUFACTURED PRODUCTS							
	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Paper and paper products	Furniture and household furnishings	Chemicals, drugs, etc.	All other
May	.....	1,798	.....	.....	.....	960	163
June	.....	926	.....	.....	.....	2,336	.....
July	459	2,078	.....	489	.....	1,659	18
August	30	1,854	466	190	.....	1,716	224
September	.....	1,370	.....	237	.....	2,622	.....
October	.....	772	.....	.....	3	2,408	294
November	.....	1,693	.....	190	.....	1,904	622
Total	489	10,491	466	1,106	3	13,605	1,321

Annual statement showing total quantity (in tons) of local freight going east and west, etc.—(Continued)

	MISCELLANEOUS PRODUCTS			PRODUCTS OF AGRICULTURE			
	Ice	Merchandise N. O. S.	All other	Corn	Oats	Hay	Fruits and vegetables
May	2,957	90	.....	.....	.....	.....	.....
June	11,710	455	135	.....	.....	.....	.....
July	16,268	679	154	.....	384	40	.....
August	5,152	1,282	71	1,008	.....	.....	.....
September	4,715	935	.....	.....	.....	.....	.....
October	3,080	3,039	.....	.....	.....	43	36
November	3,360	225	.....	.....	.....	75	314
Total	47,242	6,705	360	1,008	384	158	350

Annual statement showing total quantity (in tons) of local freight going east and west, etc.—(Continued)

	All other products of agriculture	PRODUCTS OF FOREST			
		Lumber	Wood pulp	Pulpwood	Shingles, lath
May.....	.....	943	.....	.....	.....
June.....	.....	9,935	.....	.....	.....
July.....	.....	10,429	.....	280	130
August.....	.....	10,196	.....	4,914	.....
September.....	.....	10,519	2,187	3,345	.....
October.....	.....	15,403	4,319	8,293	.....
November.....	5	11,972	1,164	2,156	.....
Total.....	5	69,397	7,670	18,988	130
					6,484

Annual statement showing total quantity (in tons) of local freight going east and west, etc.—(Concluded)

	PRODUCTS OF THE GROUND					Total
	Anthracite coal	Bituminous coal	Sand, stone, gravel	Clay	All other	
May.....	2,524	1,398	27,724	225	269	48,376
June.....	4,527	.....	52,178	696	504	96,007
July.....	8,011	122	70,837	538	1,665	135,025
August.....	5,037	265	61,863	448	1,864	115,047
September.....	7,077	.....	54,332	230	2,255	105,007
October.....	7,088	140	77,261	690	2,956	143,977
November.....	8,388	.....	55,883	280	2,600	102,165
Total.....	42,652	1,925	400,078	3,107	12,113	745,604

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local eastbound freight during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt
May .....	.....	.....	.....	846	.....	1,410
June	471	.....	.....	285	.....	5,851
July	1	.....	2	285	.....	9,689
August .....	.....	.....	.....	420	.....	8,516
September .....	.....	.....	.....	1,066	.....	3,880
October .....	.....	157	.....	1,955	.....	5,655
November	50	.....	.....	300	1,043	2,465
Total	522	157	2	5,157	1,043	37,466

Annual statement showing the total quantity (in tons) of local eastbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS					
	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Paper and paper products	Furniture and household furnishings	Chemicals, drugs, etc.
May.....	.....	920	.....	.....	.....	960
June.....	.....	372	.....	.....	.....	2,336
July.....	459	1,131	.....	489	.....	1,657
August.....	.....	1,167	466	190	.....	1,716
September.....	.....	835	.....	237	.....	2,622
October.....	.....	414	.....	.....	3	2,408
November.....	.....	1,005	.....	190	.....	1,904
Total.....	459	5,844	466	1,106	3	13,603

Annual statement showing the total quantity (in tons) of local eastbound freight, etc.—(Continued)

	All other manufactured products	MISCELLANEOUS PRODUCTS				PRODUCTS OF AGRICULTURE	
		Ice	Merchandise N. O. S.	All other		Oats	Hay
May	128	2,677	90	.....	.....	.....	.....
June.....	.....	10,635	455	.....	.....	.....	.....
July.....	.....	13,828	360	130	.....	384	40
August.....	.....	840	563	48	.....	.....	.....
September .....	.....	4,715	700	.....	.....	.....	.....
October .....	.....	3,080	1,026	.....	.....	.....	43
November	336	3,360	175	.....	.....	.....	75
Total.....	464	39,135	3,369	178	.....	384	158

Annual statement showing the total quantity (in tons) of local eastbound freight, etc.—(Continued)

	PRODUCTS OF AGRICULTURE		PRODUCTS OF FOREST			
	Fruits and vegetables	All other	Lumber	Wood pulp	Pulpwood	Shingles, lath
May .....	.....	.....	943	.....	.....	.....
June .....	.....	.....	9,935	.....	.....	.....
July .....	.....	.....	10,429	.....	.....	130
August .....	.....	.....	10,196	.....	280	.....
September .....	.....	.....	10,170	2,187	4,914	.....
October	36	.....	15,293	4,319	3,345	.....
November	314	5	10,525	1,164	7,195	.....
Total	350	5	67,491	7,670	17,134	130

Annual statement showing the total quantity (in tons) of local eastbound freight, etc.—(Concluded)

	All other products of forest	PRODUCTS OF THE GROUND			Total
		Anthracite coal	Sand, stone, gravel	All other	
May	4,164	.....	1,550	.....	13,688
June	592	370	2,170	.....	33,472
July	102	4,250	11,530	.....	55,176
August	100	2,900	7,705	1,173	40,914
September	700	3,800	5,566	1,138	40,961
October	744	3,300	11,018	2,284	58,930
November . . . . .	.....	6,000	11,483	360	42,154
Total	6,402	20,620	51,022	4,955	285,295

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local westbound freight during the season of 1919

MANUFACTURED PRODUCTS						
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Sugar	Implements, vehicles and parts
May .....	.....	242	2,224	.....	439	.....
June .....	.....	893	4,082	.....	431	.....
July	36	582	4,865	4,788	435	.....
August	5	1,163	6,251	2,010	.....	30
September .....	.....	551	5,324	3,662	.....	.....
October .....	.....	447	5,462	3,712	.....	.....
November .....	.....	.....	5,373	2,043	.....	.....
Total	41	3,878	33,581	16,215	1,305	30

Annual statement showing the total quantity (in tons) of local westbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS			MISCELLANEOUS PRODUCTS		
	Machinery and tools	Chemicals, drugs, etc.	All other	Ice	Merchandise N. O. S.	All other
May.....	878	.....	35	280	.....	.....
June.....	554	.....	.....	1,075	.....	.....
July.....	947	2	18	2,440	319	24
August.....	687	.....	224	4,312	719	23
September.....	535	.....	.....	.....	235	.....
October.....	358	.....	294	.....	2,013	.....
November.....	688	.....	286	.....	50	.....
Total.....	4,647	2	857	8,107	3,336	182

Annual statement showing the total quantity (in tons) of local westbound freight, etc.—(Continued)

	Products of agriculture— Corn	Products of FOREST			Products of the ground— Anthracite coal
		Lumber	Pulpwood	All other	
May.....	.....	.....	.....	.....	2,524
June.....	.....	.....	.....	.....	4,157
July.....	.....	.....	.....	.....	3,761
August.....	1,008	.....	.....	2	2,137
September.....	.....	349	.....	.....	3,277
October.....	.....	110	1,098	20	3,788
November.....	.....	1,447	756	60	2,388
Total.....	1,008	1,906	1,854	82	22,032

Annual statement showing the total quantity (in tons) of local westbound freight, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone, gravel	Clay	All other	
May	1,398	26,174	225	269	34,688
June .....	.....	50,008	696	504	62,535
July	122	59,307	538	1,665	79,849
August	265	54,158	448	691	74,133
September .....	.....	48,766	230	1,117	64,046
October	140	66,243	690	672	85,047
November .....	.....	44,400	280	2,240	60,011
Total	1,925	349,056	3,107	7,158	460,309

ERIE DIVISION
ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt
May.....	1,176	.....	242	1,646	.....	.....	1,410
June.....	3,974	5,766	893	3,571	.....	.....	4,595
July.....	6,889	37	582	5,013	4,788	.....	7,125
August.....	10,416	2,027	2,688	6,934	1,710	.....	6,150
September.....	1,646	1,401	1,551	4,746	3,382	.....	3,880
October.....	5,117	225	1,104	4,902	3,629	.....	5,655
November.....	3,607	.....	.....	4,848	2,043	1,043	2,465
Total.....	32,825	9,456	7,060	31,660	15,552	1,043	31,280

ERIE DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	MANUFACTURED PRODUCTS						
	Sugar	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Paper and paper products	Textiles, boots, shoes, etc.	Furniture and household furnishings
May	873	.....	1,798	.....	.....	.....	.....
June	431	.....	915	.....	78	.....	.....
July	725	459	2,058	.....	.....	158	.....
August	20	30	1,854	466	.....	.....	.....
September	90	.....	1,370	.....	.....	.....	400
October	45	.....	772	.....	.....	.....	3
November . . . . .	.....	.....	1,693	.....	.....	.....	.....
Total	2,184	489	10,460	466	78	158	403

ERIE DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	MANUFACTURED PRODUCTS				Products of animals— Hides, leather and wool	MISCELLANEOUS PRODUCTS	
	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other		Ice	Merchandise N. O. S.
May .....	.....	.....	960	1,408	.....	2,957	90
June	34	.....	2,336	579	323	6,900	1,024
July .....	.....	.....	1,850	18	66	7,308	3,087
August	1,675	1,148	1,716	642	158	5,152	2,087
September	1,515	535	2,622	688	213	4,435	2,352
October	4,600	.....	2,460	581	.....	280	4,871
November	340	.....	1,904	1,198	.....	.....	1,118
Total	8,164	1,683	13,848	5,114	760	27,032	14,629

ERIE DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Continued)

PRODUCTS OF AGRICULTURE							
	All other miscellaneous products	Wheat	Corn	Oats	Rye	Barley	Flour
May	293	9,568	.....	7,038	.....	.....	.....
June	884	1,530	.....	5,351	.....	.....	125
July	35	.....	.....	16,927	.....	5,762	900
August	39	.....	1,008	8,428	.....	6,679	2,669
September	.....	960	.....	7,176	13,367	960	.....
October	.....	2,860	.....	4,744	18,280	1,451	.....
November	.....	1,110	.....	2,896	23,697	248	780
Total	1,251	16,028	1,008	52,560	55,344	15,100	4,474

ERIE DIVISION — (Continued)

Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	PRODUCTS OF AGRICULTURE					PRODUCTS OF FOREST	
	Hay	Flaxseed	Cotton	Fruits and vegetables	All other	Lumber	All other
May . . . . .	.....	1,464	.....	.....	.....	.....	.....
June . . . . .	.....	7,203	.....	.....	.....	5,044	.....
July . . . . .	.....	6,294	.....	.....	.....	5,233	2
August . . . . .	.....	1,999	.....	157	319	3,486	2
September . . . . .	.....	11,642	.....	.....	.....	4,782	.....
October	43	6,733	224	.....	.....	4,434	20
November	75	1,778	.....	.....	5	2,216	60
Total	118	37,113	224	157	324	25,195	84

ERIE DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Concluded)

	PRODUCTS OF THE GROUND					Total
	Anthracite coal	Bituminous coal	Sand, stone, gravel	Clay	All other	
May	2,524	.....	28,324	1,919	.....	63,690
June	2,624	.....	50,055	2,417	.....	106,527
July	5,257	.....	67,133	469	792	148,192
August	3,730	.....	56,705	922	1	129,248
September	5,464	520	52,070	1,316	725	132,477
October	5,574	.....	69,411	1,892	.....	149,910
November	7,679	.....	51,167	150	.....	112,120
Total	32,852	520	374,865	9,085	1,518	842,164

ERIE DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Brick	Salt
May.....	1,176	.....	.....	.....	.....	1,410
June.....	3,974	5,766	.....	.....	.....	4,595
July.....	6,889	1	.....	2	.....	7,125
August.....	10,416	1,798	1,525	.....	.....	6,150
September.....	1,646	1,401	1,000	.....	.....	3,880
October.....	5,117	225	657	.....	.....	5,655
November.....	3,607	.....	.....	.....	1,043	2,465
Total.....	32,825	9,191	3,182	2	1,043	31,280

BRIDGE DIVISION — (Continued)

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS					
	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Furniture and household furnishings	Oil meal and cake	Chemicals, drugs, etc.
May .....	.....	920	.....	.....	.....	960
June .....	.....	372	.....	.....	.....	2,336
July	459	1,111	.....	.....	.....	1,657
August .....	.....	1,167	466	.....	1,675	1,716
September .....	.....	835	.....	400	1,515	2,622
October .....	.....	414	.....	3	4,600	2,408
November .....	.....	1,005	.....	.....	340	1,904
Total	459	5,824	466	403	8,130	13,603

ERIE DIVISION — (Continued)
Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	All other manufactured products	MISCELLANEOUS PRODUCTS			PRODUCTS OF AGRICULTURE	
		Ice	Merchandise N. O. S.	All other	Wheat	Oats
May	128	2,677	90	.....	9,568	7,038
June .....	.....	5,825	455	.....	1,530	5,351
July .....	.....	4,868	360	35	.....	16,927
August .....	.....	840	563	16	.....	8,428
September .....	.....	4,435	700	.....	960	7,176
October .....	.....	280	1,026	.....	2,860	4,744
November	336	.....	175	.....	1,110	2,896
Total	464	18,925	3,369	51	16,028	52,560

ERIE DIVISION — (Continued)

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	PRODUCTS OF AGRICULTURE					Products of forest— Lumber
	Rye	Barley	Flour	Hay	All other	
May .....	.....	.....	.....	.....	.....	.....
June .....	.....	.....	.....	.....	.....	5,044
July .....	.....	5,762	125	.....	.....	5,233
August .....	.....	6,679	900	.....	.....	3,486
September	13,367	960	2,669	43	.....	4,433
October	18,280	1,451	.....	75	.....	2,535
November	23,697	248	780	.....	5	2,216
Total	55,344	15,100	4,474	118	5	22,947

ERIE DIVISION — (Continued)
 Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Concluded)

	All other products of forest	PRODUCTS OF THE GROUND				Total
		Anthracite coal	Bituminous coal	Sand, stone, gravel	All other	
May.....	.....	.....	.....	1,550	.....	25,517
June.....	.....	370	.....	605	.....	36,223
July.....	2	4,315	.....	5,214	.....	60,085
August.....	.....	2,900	.....	930	1	49,656
September.....	.....	3,800	520	1,332	.....	53,651
October.....	.....	3,300	.....	5,155	.....	58,753
November.....	.....	6,000	.....	7,238	.....	55,140
Total.....	2	20,685	520	22,024	1	339,025

ERIE DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound freight during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Sugar	Implements, vehicles and parts
May . . . . .	.....	242	1,646	.....	873	.....
June . . . . .	.....	893	3,571	.....	431	.....
July	36	582	5,011	4,788	725	.....
August	229	1,163	6,934	1,710	20	30
September . . . . .	.....	551	4,746	3,382	90	.....
October . . . . .	.....	447	4,902	3,629	45	.....
November . . . . .	.....	.....	4,848	2,043	.....	.....
Total	265	3,878	31,658	15,552	2,184	30

ERIE DIVISION — (Continued)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	MANUFACTURED PRODUCTS					
	Machinery and tools	Paper and paper products	Textiles, boots, shoes, etc.	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.
May.....	878	.....	.....	.....	.....	.....
June.....	543	78	.....	34	.....	.....
July.....	947	.....	158	.....	.....	193
August.....	687	.....	.....	.....	1,148	.....
September.....	535	.....	.....	.....	535	.....
October.....	358	.....	.....	.....	.....	52
November.....	688	.....	.....	.....	.....	.....
Total.....	4,636	78	158	34	1,683	245

ERIE DIVISION — (Continued)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	All other manufactured products	Products of animals— Hides, leather and wool	MISCELLANEOUS PRODUCTS			Products of agriculture— Corn
			Ice	Merchandise N. O. S.	All other	
May	1,280	.....	280	.....	293	.....
June,	579	323	1,075	569	884	.....
July	18	66	2,440	2,727	.....	.....
August	642	158	4,312	1,524	23	1,008
September	688	213	.....	1,652	.....	.....
October	581	.....	.....	3,845	.....	.....
November	862	.....	.....	943	.....	.....
Total	4,650	760	8,107	11,260	1,200	1,008

ERIE DIVISION — (Continued)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	PRODUCTS OF AGRICULTURE				PRODUCTS OF FOREST	
	Flaxseed	Cotton	Fruits and vegetables	All other	Lumber	All other
May	1,464	.....	.....	.....	.....	.....
June	7,203	.....	.....	.....	.....	.....
July	6,294	.....	.....	.....	.....	.....
August	1,999	.....	157	319	.....	2
September	11,642	.....	.....	.....	349	.....
October	6,733	224	.....	.....	1,899	20
November	1,778	.....	.....	.....	.....	60
Total	37,113	224	157	319	2,248	82

ERIE DIVISION — (Concluded)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Anthracite coal	Sand, stone, gravel	Clay	All other	
May.....	2,524	26,774	1,919	.....	38,173
June.....	2,254	49,450	2,417	.....	70,304
July.....	942	61,919	469	792	88,107
August.....	830	55,775	922	.....	79,592
September.....	1,664	50,738	1,316	725	78,826
October.....	2,274	64,256	1,892	.....	91,157
November.....	1,679	43,929	150	.....	56,980
Total.....	12,167	352,841	9,085	1,517	503,139

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight carried during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Sugar	Machinery and tools	Paper and paper products
May.....	1,176	.....	.....	.....	434	.....	.....
June.....	3,974	5,295	.....	70	290	13	78
July.....	6,889	.....	.....	146	20	.....	.....
August.....	10,416	2,022	1,525	1,261	90	.....	.....
September.....	1,646	1,401	1,000	.....	45	.....	.....
October.....	5,117	225	500	.....	.....	.....	.....
November.....	3,607	.....	.....	.....	.....	.....	.....
Total.....	32,825	8,943	3,025	1,477	879	13	78

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Continued)

	MANUFACTURED PRODUCTS					
	Textiles, boots, shoes, etc.	Furniture and household furnishings	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other
May .....	.....	.....	.....	.....	.....	1,245
June .....	.....	.....	34	.....	.....	579
July	158	.....	.....	.....	191	.....
August .....	.....	.....	1,675	1,148	.....	642
September .....	.....	400	1,515	535	.....	688
October .....	.....	.....	4,600	.....	52	581
November .....	.....	.....	340	.....	.....	862
Total	158	400	8,164	1,683	243	4,597
						760

Products of animals—
Hides, leather
and wool

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Continued)

	MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE			
	Merchandise N. O. S.	All other	Wheat	Oats	Rye	Barley
May.....	.....	293	9,568	7,038	.....	.....
June.....	569	773	1,530	5,351	.....	.....
July.....	2,508	.....	.....	16,543	.....	5,762
August.....	805	.....	.....	8,428	.....	6,679
September.....	1,417	.....	960	7,176	13,367	960
October.....	1,832	.....	2,860	4,744	18,280	1,451
November.....	893	.....	1,110	2,896	23,697	248
Total.....	8,024	1,066	16,028	52,176	55,344	15,100

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Continued)

	PRODUCTS OF AGRICULTURE					Products of forest— Lumber
	Flour	Flaxseed	Cotton	Fruits and vegetables	All other	
May .....	.....	1,464	.....	.....	.....	.....
June .....	.....	7,203	.....	.....	.....	.....
July	125	6,294	.....	.....	.....	1,133
August	900	1,999	.....	157	319	.....
September	2,669	11,642	.....	.....	.....	633
October .....	.....	6,733	224	.....	.....	.....
November	780	1,778	.....	.....	.....	.....
Total	4,474	37,113	224	157	319	1,766

ERIE DIVISION—(Continued)
Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone, gravel	Clay	All other	
May . . . . .	.....	600	1,694	.....	23,512
June . . . . .	.....	1,395	1,990	.....	29,177
July . . . . .	.....	3,739	469	203	44,516
August . . . . .	.....	3,351	474	.....	41,979
September	520	2,866	1,316	560	51,574
October . . . . .	.....	2,281	1,661	.....	51,186
November . . . . .	.....	829	150	.....	37,190
Total	520	15,061	7,754	763	279,134

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, eastbound, during the season of 1919

	MANUFACTURED PRODUCTS					PRODUCTS OF AGRICULTURE	
	Iron, pig and bloom	Iron or steel articles	Other metals	Furniture and household furnishings	Oil meal and cake	Wheat	Oats
May.....	1,176	.....	.....	.....	.....	9,568	7,038
June.....	3,974	5,295	.....	.....	.....	1,530	5,351
July.....	6,889	.....	.....	.....	.....	.....	16,543
August.....	10,416	1,798	1,525	.....	1,675	.....	8,428
September.....	1,646	1,401	1,000	400	1,515	960	7,176
October.....	5,117	225	500	.....	4,600	2,860	4,744
November.....	3,607	.....	.....	.....	340	1,110	2,896
Total.....	32,825	8,719	3,025	400	8,130	16,028	52,176

ERIE DIVISION—(Continued)

Annual statement showing total quantity (in tons) of through freight, eastbound, etc. — (Concluded)

	PRODUCTS OF AGRICULTURE			Products of forest—Lumber	Products of the ground—Bituminous coal	Total
	Rye	Barley	Flour			
May.....	.....	.....	.....	.....	.....	17,782
June.....	.....	.....	.....	.....	.....	16,150
July.....	.....	5,762	125	1,133	.....	30,452
August.....	.....	6,679	900	.....	.....	31,421
September.....	13,367	960	2,669	633	520	32,247
October.....	18,280	1,451	.....	.....	.....	37,777
November.....	23,697	248	780	.....	.....	32,678
Total.....	55,344	15,100	4,474	1,766	520	198,507

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, westbound, during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron or steel articles	Petroleum and other oil	Sugar	Machinery and tools	Paper and paper products	Textiles, boots, shoes, etc.	Oil meal and cake
May .....	.....	.....	434	.....	.....	.....	.....
June .....	.....	70	.....	13	.....	.....	34
July .....	.....	146	290	.....	.....	158	.....
August	224	1,261	20	.....	.....	.....	.....
September .....	.....	.....	90	.....	.....	.....	.....
October .....	.....	.....	45	.....	.....	.....	.....
November .....	.....	.....	.....	.....	.....	.....	.....
Total	224	1,477	879	13	78	158	34

ERIE DIVISION—(Continued)
 Annual statement showing total quantity (in tons) of through freight, westbound, etc.—(Continued)

	MANUFACTURED PRODUCTS			Products of animals— Hides, leather and wool	MISCELLANEOUS PRODUCTS		Products of agriculture— Flaxseed
	Fertilizers	Chemicals, drugs, etc.	All other		Merchandise N. O. S.	All other	
May .....	.....	.....	1,245	.....	.....	293	1,464
June .....	.....	.....	579	323	569	773	7,203
July .....	.....	191	.....	66	2,508	.....	6,294
August	1,148	.....	642	158	805	.....	1,999
September	535	.....	688	213	1,417	.....	11,642
October .....	.....	52	581	.....	1,832	.....	6,733
November .....	.....	.....	862	.....	893	.....	1,778
Total	1,683	243	4,597	760	8,024	1,066	37,113

ERIE DIVISION—(Continued)

Annual statement showing total quantity (in tons) of through freight, westbound, etc. —(Concluded)

	PRODUCTS OF AGRICULTURE			PRODUCTS OF THE GROUND			Total
	Cotton	Fruits and vegetables	All other	Sand, stone, gravel	Clay	All other	
May .....	.....	.....	.....	600	1,694	.....	5,730
June .....	.....	.....	.....	1,395	1,990	.....	13,027
July .....	.....	.....	.....	3,739	469	203	14,064
August .....	.....	157	319	3,351	474	.....	10,558
September .....	.....	.....	.....	2,866	1,316	560	19,327
October	224	.....	.....	2,281	1,661	.....	13,409
November .....	.....	.....	.....	829	150	.....	4,512
Total	224	157	319	15,061	7,754	763	80,627

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick	Salt	Sugar
May .....	.....	242	1,646	.....	.....	1,410	439
June.....	471	893	3,501	.....	.....	4,595	431
July.....	37	582	4,867	4,788	.....	7,125	435
August.....	5	1,163	5,673	1,710	.....	6,150	.....
September.....	.....	551	4,746	3,382	.....	3,880	.....
October.....	.....	604	4,902	3,629	.....	5,655	.....
November.....	.....	.....	4,848	2,043	1,043	2,465	.....
Total.....	513	4,035	30,183	15,552	1,043	31,280	1,305

ERIE DIVISION—(Continued)

Annual statement showing total quantity (in tons) of local freight carried, etc.—(Continued)

	MANUFACTURED PRODUCTS						Miscellaneous products— Ice
	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.	Furniture and household furnishings	Chemicals, drugs, etc.	All other	
May . . . . .	.....	1,798	.....	.....	960	163	2,957
June . . . . .	.....	902	.....	.....	2,336	.....	6,900
July	459	2,058	.....	.....	1,659	18	7,308
August	30	1,854	466	.....	1,716	.....	5,152
September . . . . .	.....	1,370	.....	.....	2,622	.....	4,435
October . . . . .	.....	772	.....	3	2,408	.....	280
November . . . . .	.....	1,693	.....	.....	1,904	336	.....
Total	489	10,447	466	3	13,605	517	27,032

ERIE DIVISION—(Continued)
Annual statement showing total quantity (in tons) of local freight carried, etc.—(Continued)

	MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE				Products of forest— Lumber
	Merchandise N. O. S.	All other	Corn	Oats	Hay	All other	
May	90	.....	.....	.....	.....	.....	.....
June	455	111	.....	.....	.....	.....	5,044
July	579	35	.....	384	.....	.....	4,100
August	1,282	39	1,008	.....	.....	.....	3,486
September	935	.....	.....	.....	.....	.....	4,149
October	3,039	.....	.....	.....	43	.....	4,434
November	225	.....	.....	.....	75	5	2,216
Total	6,605	185	1,008	384	118	5	23,429

ERIE DIVISION—(Continued)

Annual statement showing total quantity (in tons) of local freight carried, etc.—(Concluded)

	All other products of forest	PRODUCTS OF THE GROUND				Total
		Anthracite coal	Sand, stone, gravel	Clay	All other	
May . . . . .	.....	2,524	27,724	225	.....	40,178
June . . . . .	.....	2,624	48,660	427	.....	77,350
July	2	5,257	63,394	.....	589	103,676
August	2	3,730	53,354	448	1	87,269
September . . . . .	.....	5,464	49,204	.....	165	80,903
October	20	5,574	67,130	231	.....	98,724
November	60	7,679	50,338	.....	.....	74,930
Total	84	32,852	359,804	1,331	755	563,030

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, eastbound, during the season of 1919

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Other metals	Petroleum and other oil	Brick	Salt	Implements, vehicles and parts
May .....	.....	.....	.....	.....	1,410	.....
June	471	.....	.....	.....	4,595	.....
July	1	.....	2	.....	7,125	459
August .....	.....	.....	.....	.....	6,150	.....
September .....	.....	.....	.....	.....	3,880	.....
October .....	.....	157	.....	.....	5,655	.....
November .....	.....	.....	.....	1,043	2,465	.....
Total	472	157	2	1,043	31,280	459

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Continued)

	MANUFACTURED PRODUCTS					Miscellaneous products— Ice
	Machinery and tools	Wines, liquors, etc.	Furniture and household furnishings	Chemicals, drugs, etc.	All other	
May	920	.....	.....	960	128	2,677
June	372	.....	.....	2,336	.....	5,825
July	1,111	.....	.....	1,657	.....	4,868
August	1,167	466	.....	1,716	.....	840
September	835	.....	.....	2,622	.....	4,435
October	414	.....	3	2,408	.....	280
November	1,005	.....	.....	1,904	336	.....
Total	5,824	466	3	13,603	464	18,925

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Continued)

	MISCELLANEOUS PRODUCTS		PRODUCTS OF AGRICULTURE			Products of forest— Lumber
	Merchandise N. O. S.	All other	Oats	Hay	All other	
May.....	90	.....	.....	.....	.....	.....
June.....	455	.....	.....	.....	.....	5,044
July.....	360	35	384	.....	.....	4,100
August.....	563	16	.....	.....	.....	3,486
September.....	700	.....	.....	.....	.....	3,800
October.....	1,026	.....	.....	43	.....	4,434
November.....	175	.....	.....	75	5	2,216
Total.....	3,369	51	384	118	5	23,080

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Concluded)

	All other products of forest—	PRODUCTS OF THE GROUND			Total
		Anthracite coal	Sand, stone, gravel	All other	
May.....	.....	.....	1,550	.....	7,735
June.....	.....	370	2,203	.....	21,671
July.....	2	4,315	5,214	.....	29,633
August.....	.....	2,900	930	1	18,235
September.....	.....	3,800	1,332	.....	21,404
October.....	.....	3,300	5,155	.....	22,875
November.....	.....	6,000	7,238	.....	22,462
Total.....	2	20,685	23,622	1	144,015

ERIE DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, westbound, during the season of 1919

	MANUFACTURED PRODUCTS						
	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Sugar	Implements, vehicles and parts	Machinery and tools
May .....	.....	242	1,646	.....	439	.....	878
June .....	.....	893	3,501	.....	431	.....	530
July	36	582	4,865	4,788	435	.....	947
August	5	1,163	5,673	1,710	.....	30	687
September .....	.....	551	4,746	3,382	.....	.....	535
October .....	.....	447	4,902	3,629	.....	.....	358
November .....	.....	.....	4,848	2,043	.....	.....	688
Total	41	3,878	30,181	15,552	1,305	30	4,623

ERIE DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, westbound, etc.—(Continued)

	MANUFACTURED PRODUCTS		MISCELLANEOUS PRODUCTS			Products of agriculture— Corn	Products of forest— Lumber
	Chemicals, drugs, etc.	All other	Ice	Merchandise N. O. S.	All other		
May . . . . .	.....	35	280	.....	.....	.....	.....
June . . . . .	.....	.....	1,075	.....	111	.....	.....
July	2	18	2,440	219	.....	.....	.....
August . . . . .	.....	.....	4,312	719	23	1,008	.....
September . . . . .	.....	.....	.....	235	.....	.....	349
October . . . . .	.....	.....	.....	2,013	.....	.....	.....
November . . . . .	.....	.....	.....	50	.....	.....	.....
Total	2	53	8,107	3,236	134	1,008	349

ERIE DIVISION—(Continued)
Annual statement showing the total quantity (in tons) of local freight, westbound, etc.—(Concluded)

	All other products of forest	PRODUCTS OF GROUND				Total
		Anthracite coal	Sand, stone, gravel	Clay	All other	
May.....	.....	2,524	26,174	225	.....	32,443
June.....	.....	2,254	46,457	427	.....	55,679
July.....	.....	942	58,180	.....	589	74,043
August.....	2	830	52,424	448	.....	69,034
September.....	.....	1,664	47,872	.....	165	59,499
October.....	20	2,274	61,975	231	.....	75,849
November.....	60	1,679	43,100	.....	.....	52,468
Total.....	82	12,167	336,182	1,331	754	419,015

CHAMPLAIN DIVISION

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried during the season of 1919

MANUFACTURED PRODUCTS						
	Iron or steel articles	Petroleum and other oil	Cement and lime	Machinery and tools	Paper and paper products	Chemicals, drugs, etc.
May . . . . .	.....	3,483	846	.....	.....	.....
June . . . . .	.....	4,320	285	24	.....	.....
July . . . . .	.....	1,261	285	314	489	.....
August . . . . .	.....	578	580	.....	190	278
September . . . . .	.....	2,399	846	.....	237	.....
October . . . . .	.....	1,925	1,155	.....	.....	.....
November	50	525	.....	.....	190	.....
Total	50	14,491	3,997	338	1,106	278

CHAMPLAIN DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	All other manufactured products	MISCELLANEOUS PRODUCTS			PRODUCTS OF AGRICULTURE	
		Ice	Merchandise N. O. S.	All other	Hay	Fruits and vegetables
May .....	.....	.....	.....	.....	110	.....
June .....	.....	4,810	.....	24	610	.....
July .....	.....	8,960	100	24	231	.....
August	224	.....	.....	.....	.....	.....
September .....	.....	280	4	.....	.....	.....
October	291	2,800	496	.....	637	.....
November	286	3,360	.....	.....	506	209
Total	801	20,210	600	48	2,094	209

CHAMPLAIN DIVISION — (Continued)
Annual statement showing total quantity (in tons) carried, etc. — (Continued)

	PRODUCTS OF FOREST					Products of ground— Anthracite coal
	Lumber	Wood pulp	Pulpwood	Shingles, lath	All other	
May	3,152	.....	.....	.....	6,464	11,113
June	17,267	.....	.....	.....	2,272	11,506
July	15,192	.....	896	130	2,420	12,721
August	18,451	.....	4,914	.....	4,620	5,977
September	18,187	2,187	3,345	.....	1,540	4,010
October	24,680	4,457	8,293	.....	6,104	3,174
November	21,342	1,164	2,156	.....	280	1,385
Total	118,271	7,808	19,604	130	23,700	49,886

CHAMPLAIN DIVISION — (Continued)

Annual statement showing total quantity (in tons) carried, etc. — (Concluded)

	PRODUCTS OF THE GROUND					Total
	Bituminous coal	Iron ore	Sand, stone, gravel	Clay	All other	
May	3,226	1,092	259	1,324	269	31,338
June	1,092	3,752	1,285	1,810	1,305	50,362
July	995	6,490	3,956	3,288	1,350	59,102
August	1,586	7,028	3,380	958	1,863	50,627
September	709	4,676	4,746	1,315	3,187	47,668
October	1,000	9,249	5,473	1,019	4,395	75,148
November .....	.....	9,492	3,413	815	4,281	49,454
Total	8,608	41,779	22,512	10,529	16,650	363,699

CHAMPLAIN DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight during the season of 1919

	MANUFACTURED PRODUCTS			MISCELLANEOUS PRODUCTS		Products of agriculture—Hay
	Iron or steel articles	Cement and lime	Paper and paper products	Ice	Merchandise N. O. S.	
May . . . . .	.....	846	.....	.....	.....	110
June . . . . .	.....	285	.....	4,810	.....	610
July . . . . .	.....	285	489	8,960	.....	231
August . . . . .	.....	280	190	.....	.....	.....
September . . . . .	.....	566	237	280	1	.....
October . . . . .	.....	1,155	.....	2,800	486	637
November	50	.....	190	3,360	.....	506
Total	50	3,417	1,106	20,210	487	2,094

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Continued)

	Products of agriculture— fruits and vegetables	PRODUCTS OF FOREST			
		Lumber	Wood pulp	Pulpwood	Shingles, lath
May . . . . .	.....	3,152	.....	.....	.....
June . . . . .	.....	17,267	.....	.....	.....
July . . . . .	.....	15,192	.....	896	130
August . . . . .	.....	18,461	.....	4,914	.....
September . . . . .	.....	18,187	2,187	3,345	.....
October . . . . .	.....	24,570	4,457	7,195	.....
November	209	19,895	1,164	1,400	.....
Total	209	116,714	7,808	17,750	130

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Concluded)

	All other products of forest	PRODUCTS OF THE GROUND			Total
		Iron ore	Sand, stone, gravel	All other	
May.....	6,464	1,092	.....	.....	11,664
June.....	2,272	3,752	.....	.....	28,996
July.....	2,420	6,490	3,366	.....	38,459
August.....	4,620	7,028	258	1,172	36,913
September.....	1,540	4,676	3,299	1,138	35,456
October.....	6,104	9,249	3,205	2,592	62,450
November.....	280	9,492	2,513	494	39,553
Total.....	23,700	41,779	12,641	5,396	253,491

CHAMPLAIN DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound freight during the season of 1919

	MANUFACTURED PRODUCTS				
	Petroleum and other oil	Cement and lime	Machinery and tools	Chemicals, drugs, etc.	All other
May	3,483	.....	.....	.....	.....
June	4,320	.....	24	.....	.....
July	1,261	.....	314	.....	.....
August	578	300	.....	278	224
September	2,399	280	.....	.....	.....
October	1,925	.....	.....	.....	291
November	525	.....	.....	.....	286
Total	14,491	580	338	278	801

CHAMPLAIN DIVISION — (Continued)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Continued)

	MISCELLANEOUS PRODUCTS		PRODUCTS OF FOREST		Products of ground— Anthracite coal
	Merchandise N. O. S.	All other	Lumber	Pulpwood	
May .....	.....	.....	.....	.....	11,113
June .....	.....	24	.....	.....	11,506
July .....	.....	24	.....	.....	12,721
August	100	.....	.....	.....	5,977
September .....	.....	.....	.....	.....	4,010
October	3	.....	110	1,098	3,174
November	10	.....	1,447	756	1,385
Total	113	48	1,557	1,854	49,886

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of westbound freight, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone, gravel	Clay	All other	
May.....	3,226	259	1,324	269	19,674
June.....	1,092	1,285	1,810	1,305	21,366
July.....	995	590	3,288	1,350	20,643
August.....	1,586	3,122	958	691	13,714
September.....	709	1,447	1,315	2,049	12,212
October.....	1,000	2,268	1,019	1,803	12,698
November.....	.....	900	815	3,787	9,901
Total.....	8,608	9,871	10,529	11,254	110,208

CHAMPLAIN DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight carried during the season of 1919

	MANUFACTURED PRODUCTS			Merchandise N. O. S.	Products of agriculture— Hay	Products of forest— Lumber
	Petroleum and other oil	Machinery and tools	Chemicals, drugs, etc.			
May	2,905	.....	.....	.....	110	2,209
June	3,739	.....	.....	.....	610	12,376
July	1,261	314	.....	.....	191	8,863
August . . . . .	.....	.....	278	.....	.....	11,756
September	1,821	.....	.....	4	.....	11,817
October	1,365	.....	.....	496	637	13,711
November . . . . .	.....	.....	.....	.....	506	11,586
Total	11,091	314	278	500	2,054	72,318

CHAMPLAIN DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Continued)

	PRODUCTS OF FOREST			PRODUCTS OF THE GROUND	
	Wood pulp	Pulpwood	All other	Anthracite coal	Bituminous coal
May . . . . .	.....	.....	2,300	11,113	1,828
June . . . . .	.....	.....	1,680	9,603	1,092
July . . . . .	.....	616	2,320	10,017	873
August . . . . .	.....	.....	4,520	4,670	1,321
September . . . . .	.....	.....	840	2,397	709
October	138	.....	5,360	1,660	860
November . . . . .	.....	.....	280	676	.....
Total	138	616	17,300	40,136	6,683

CHAMPLAIN DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of through freight carried, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Iron ore	Sand, stone, gravel	Clay	All other	
May	1,092	259	1,324	.....	23,140
June	3,752	532	1,541	801	35,726
July	6,490	590	2,750	274	34,559
August	7,028	1,388	958	.....	31,919
September	4,676	553	1,085	1,097	24,999
October	9,249	.....	560	1,439	35,475
November	9,492	.....	535	1,681	24,756
Total	41,779	3,322	8,753	5,292	210,574

CHAMPLAIN DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, eastbound, during the season of 1919

	Merchandise N. O. S.	Products of agriculture— Hay	PRODUCTS OF FOREST		
			Lumber	Wood pulp	Pulpwood
May . . . . .	.....	110	2,209	.....	.....
June . . . . .	.....	610	12,376	.....	.....
July . . . . .	.....	191	8,863	.....	616
August . . . . .	.....	.....	11,756	.....	.....
September	1	.....	11,817	.....	.....
October	486	637	13,711	138	.....
November . . . . .	.....	506	11,586	.....	.....
Total	487	2,054	72,318	138	616

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of through freight, eastbound, etc. — (Concluded)

	All other products of forest	PRODUCTS OF THE GROUND		Total
		Iron ore	All other	
May.....	2,300	1,092	.....	5,711
June.....	1,680	3,752	.....	18,418
July.....	2,320	6,490	.....	18,480
August.....	4,520	7,028	.....	23,304
September.....	840	4,676	.....	17,334
October.....	5,360	9,249	308	29,889
November.....	280	9,492	134	21,998
Total.....	17,300	41,779	442	135,134

CHAMPLAIN DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, westbound, during the season of 1919

	MANUFACTURED PRODUCTS			Merchandise N. O. S.	Products of ground— Anthracite coal
	Petroleum and other oil	Machinery and tools	Chemicals, drugs, etc.		
May	2,905	.....	.....	.....	11,113
June	3,739	.....	.....	.....	9,603
July	1,261	314	.....	.....	10,017
August .....	.....	.....	278	.....	4,670
September	1,821	.....	.....	3	2,397
October	1,365	.....	.....	10	1,660
November .....	.....	.....	.....	.....	676
Total	11,091	314	278	13	40,136

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of through freight westbound, etc. — (Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone, gravel	Clay	All other	
May	1,828	259	1,324	.....	17,429
June	1,092	532	1,541	801	17,308
July	873	590	2,750	274	16,079
August	1,321	1,388	958	.....	8,615
September	709	553	1,085	1,097	7,665
October	860	.....	560	1,131	5,586
November . . . . .	.....	.....	535	1,547	2,758
Total	6,683	3,322	8,753	4,850	75,440

CHAMPLAIN DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of
1919

	MANUFACTURED PRODUCTS					
	Iron or steel articles	Petroleum and other oil	Cement and lime	Machinery and tools	Paper and paper products	All other
May.....	.....	578	846	.....	.....	.....
June.....	.....	581	285	24	.....	.....
July.....	.....	.....	285	.....	489	.....
August.....	.....	578	580	.....	190	224
September.....	.....	578	846	.....	237	.....
October.....	.....	560	1,155	.....	.....	291
November.....	50	525	.....	.....	190	286
Total.....	50	3,400	3,997	24	1,106	801

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of local freight carried, etc.—(Continued)

	MISCELLANEOUS PRODUCTS			PRODUCTS OF AGRICULTURE		Products of forest—Lumber
	Ice	Merchandise N. O. S.	All other	Hay	Fruits and vegetables	
May .....	.....	.....	.....	.....	.....	943
June	4,810	.....	24	.....	.....	4,891
July	8,960	100	24	40	.....	6,329
August .....	.....	.....	.....	.....	.....	6,695
September	280	.....	.....	.....	.....	6,370
October	2,800	.....	.....	.....	.....	10,969
November	3,360	.....	.....	.....	209	9,756
Total	20,210	100	48	40	209	45,953

CHAMPLAIN DIVISION—(Continued)

Annual statement showing total quantity (in tons) of local freight carried, etc.—(Continued)

	PRODUCTS OF FOREST				Products of ground— Anthracite coal
	Wood pulp	Pulpwood	Shingles, lath	All other	
May .....	.....	.....	.....	4,164	.....
June .....	.....	.....	.....	592	1,903
July .....	.....	280	130	100	2,704
August .....	.....	4,914	.....	100	1,307
September	2,187	3,345	.....	700	1,613
October	4,319	8,293	.....	744	1,514
November	1,164	2,156	.....	.....	709
Total	7,670	18,988	130	6,400	9,750

CHAMPLAIN DIVISION — (Continued)

Annual statement showing total quantity (in tons) of local freight carried, etc.—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Bituminous coal	Sand, stone, gravel	Clay	All other	
May	1,398	.....	.....	269	8,198
June .....	.....	753	269	504	14,636
July	122	3,366	538	1,076	24,543
August	265	1,992	.....	1,863	18,708
September .....	.....	4,193	230	2,090	22,669
October	140	5,473	459	2,956	39,673
November .....	.....	3,413	280	2,600	24,698
Total	1,925	19,190	1,776	11,358	153,125

CHAMPLAIN DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, eastbound, during the season of 1919

	MANUFACTURED PRODUCTS				Miscellaneous products— Ice	Products of agriculture— Hay
	Iron or steel articles	Cement and lime	Machinery and tools	Paper and paper products		
May	.....	846	.....	.....	.....	.....
June	.....	285	7	.....	4,810	.....
July	.....	285	.....	489	8,960	40
August	.....	280	.....	190	.....	.....
September	.....	566	.....	237	280	.....
October	.....	1,155	.....	.....	2,800	.....
November	50	.....	.....	190	3,360	.....
Total	50	3,417	7	1,106	20,210	40

CHAMPLAIN DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Continued)

	Products of agriculture—Fruits and vegetables	PRODUCTS OF FOREST			
		Lumber	Wood pulp	Pulpwood	Shingles, lath
May .....	.....	943	.....	.....	.....
June .....	.....	4,891	.....	.....	.....
July .....	.....	6,329	.....	280	130
August .....	.....	6,695	.....	4,914	.....
September .....	.....	6,370	2,187	3,345	.....
October .....	.....	10,859	4,319	7,195	.....
November	209	8,309	1,164	1,400	.....
Total	209	44,396	7,670	17,134	130

CHAMPLAIN DIVISION—(Continued)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Concluded)

	All other products of forest	PRODUCTS OF THE GROUND			Total
		Anthracite coal	Sand, stone, gravel	All other	
May	4,164	.....	.....	.....	5,953
June	592	1,047	.....	.....	11,632
July	100	.....	3,366	.....	19,979
August	100	.....	258	.....	13,609
September	700	.....	3,299	1,172	18,122
October	744	.....	3,205	2,384	32,561
November .....	.....	.....	2,513	360	17,555
Total	6,400	1,047	12,641	4,954	119,411

CHAMPLAIN DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, westbound, during the season of 1919

	MANUFACTURED PRODUCTS				MISCELLANEOUS PRODUCTS		Products of forest—Lumber
	Petroleum and other oil	Cement and lime	Machinery and tools	All other	Merchandise N. O. R.	All other	
May	578	.....	.....	.....	.....	.....	.....
June	581	.....	17	.....	.....	24	.....
July .....	.....	.....	.....	.....	100	24	.....
August	578	300	.....	224	.....	.....	.....
September	578	280	.....	.....	.....	.....	.....
October	560	.....	.....	291	.....	.....	110
November	525	.....	.....	286	.....	.....	1,447
Total	3,400	580	17	801	100	48	1,557

CHAMPLAIN DIVISION—(Concluded)

Annual statement showing the total quantity (in tons) of local freight, westbound, etc.—(Concluded)

	Products of forest— Pulpwood	PRODUCTS OF THE GROUND					Total
		Anthracite coal	Bituminous coal	Sand, stone, gravel	Clay	All other	
May . . . . .	.....	.....	1,398	.....	.....	269	2,245
June . . . . .	.....	856	.....	753	269	504	3,004
July . . . . .	.....	2,704	122	.....	538	1,076	4,564
August . . . . .	.....	1,307	265	1,734	.....	691	5,099
September . . . . .	.....	1,613	.....	894	230	952	4,547
October	1,098	1,514	140	2,268	459	672	7,112
November	756	709	.....	900	280	2,240	7,143
Total	1,854	8,703	1,925	6,549	1,776	6,404	33,714

CAYUGA AND SENECA DIVISION

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried during the season of 1919

	MANUFACTURED PRODUCTS			All other products of animals	All other miscellaneous products
	Cement and lime	Salt	Machinery and tools		
May .....	.....	.....	.....	.....	.....
June .....	.....	1,256	.....	.....	.....
July .....	.....	2,564	20	.....	95
August	140	3,017	.....	.....	32
September	500	.....	.....	26	34
October	800	489	.....	.....	8
November	300	425	.....	.....	.....
Total	1,740	7,751	20	26	169

CAYUGA AND SENECA DIVISION—(Continued)

Annual statement showing total quantity (in tons) carried, etc. — (Concluded)

	Products of agriculture— fruits and vegetables	Products of forest— Lumber	Products of the ground— Sand, stone, gravel	Total
May.....	.....	.....	.....	.....
June.....	.....	.....	.....	1,256
July.....	.....	.....	.....	2,679
August.....	.....	15	.....	3,204
September.....	5	.....	.....	565
October.....	36	.....	1,158	2,491
November.....	.....	.....	1,332	2,057
Total.....	41	15	2,490	12,252

CAYUGA AND SENEGA DIVISION—(Continued)

13 ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight during the season of 1919

	MANUFACTURED PRODUCTS			All other products of animals	All other miscellaneous products
	Cement and lime	Salt	Machinery and tools		
May .....	.....	.....	.....	.....	.....
June .....	.....	1,256	.....	.....	.....
July .....	.....	2,564	20	.....	95
August	140	3,017	.....	.....	32
September	500	.....	.....	26	34
October	800	489	.....	.....	8
November	300	425	.....	.....	.....
Total	1,740	7,751	20	26	169

CAYUGA AND SENECA DIVISION—(Continued)
Annual statement showing total quantity (in tons) of eastbound freight, etc.—(Concluded)

	Products of agriculture— Fruits and vegetables	Products of forest— Lumber	Products of the ground— Sand, stone, gravel	Total
May .....	.....	.....	.....	.....
June .....	.....	.....	.....	1,256
July .....	.....	.....	.....	2,679
August .....	.....	15	.....	3,204
September	5	.....	.....	565
October	36	.....	1,158	2,491
November .....	.....	.....	1,332	2,057
Total	41	15	2,490	12,252

CAYUGA AND SENECA DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight carried during the season of 1919

	Manufactured products— Salt	Products of animals	Miscellaneous products	Products of agriculture— Fruits and vegetables	Total
August.....	1,856	.....	.....	.....	1,856
September.....	.....	26	34	5	65
October.....	489	.....	8	.....	497
November.....	425	.....	.....	.....	425
Total.....	2,770	26	42	5	2,843

CAYUGA AND SENECA DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, eastbound, during the season of 1919

	Manufactured products— Salt	Products of animals	Miscellaneous products	Products of agriculture— Fruit and vegetables	Total
August.....	1,856	.....	.....	.....	1,856
September.....	.....	26	34	5	65
October.....	489	.....	8	.....	497
November.....	425	.....	.....	.....	425
Total.....	2,770	26	42	5	2,843

CAYUGA AND SENECA DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of 1919

	MANUFACTURED PRODUCTS			Miscellaneous products
	Cement and lime	Salt	Machinery and tools	
June.....	.....	1,256	.....	.....
July.....	.....	2,564	20	95
August.....	140	1,161	.....	32
September.....	500	.....	.....	.....
October.....	800	.....	.....	.....
November.....	300	.....	.....	.....
Total.....	1,740	4,981	20	127

CAYUGA AND SENECA DIVISION—(Continued)
Annual statement showing total quantity (in tons) of local freight carried, etc.—(Concluded)

	Products of agriculture	Products of forest— Lumber	Products of the ground— Sand, stone, gravel	Total
June.....	.....	.....	.....	1,256
July.....	.....	.....	.....	2,679
August.....	.....	15	.....	1,348
September.....	.....	.....	.....	500
October.....	36	.....	1,158	1,994
November.....	.....	.....	1,332	1,632
Total.....	36	15	2,490	9,409

CAYUGA AND SENECA DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, eastbound, during the season of 1919

	MANUFACTURED PRODUCTS			Miscellaneous products
	Cement and lime	Salt	Machinery and tools	
June.....	.....	1,256	.....	.....
July.....	.....	2,564	20	95
August.....	140	1,161	.....	32
September.....	500	.....	.....	.....
October.....	800	.....	.....	.....
November.....	300	.....	.....	.....
Total.....	1,740	4,981	20	127

CAYUGA AND SENECA DIVISION—(Concluded)

Annual statement showing the total quantity (in tons) of local freight, eastbound, etc.—(Concluded)

	Products of agriculture	Products of forest— Lumber	Products of the ground— Sand, stone, gravel	Total
June.....	.....	.....	.....	1,256
July.....	.....	.....	.....	2,679
August.....	.....	15	.....	1,348
September.....	.....	.....	.....	500
October.....	36	.....	1,158	1,994
November.....	.....	.....	1,332	1,632
Total.....	36	15	2,490	9,409

OSWEGO DIVISION

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried during the season of 1919

	Manufactured products	Products of the ground— Sand, stone, gravel	Total
June .....	.....	2,665	2,665
July	726	5,145	5,871
August .....	.....	4,017	4,017
September .....	.....	935	935
October .....	.....	2,000	2,000
November .....	.....	400	400
Total	726	15,162	15,888

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	1,465	1,465
July.....	2,950	2,950
August.....	4,017	4,017
September.....	935	935
Total.....	9,367	9,367

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound freight during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	1,200	1,200
July.....	2,195	2,921
October.....	2,000	2,000
November.....	400	400
Total.....	5,795	6,521

Oswego Division—(Continued)
ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight carried during the season
of 1919

	Manufactured products	Products of the ground— Sand, stone, gravel	Total
July.....	726	1,168	1,894
Total.....	726	1,168	1,894

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of through freight, westbound, during the season of 1919

	Manufactured products	Products of the ground— Sand, stone, gravel	Total
July.....	726	1,168	1,894
Total.....	726	1,168	1,894

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	2,665	2,665
July.....	3,977	3,977
August.....	4,017	4,017
September.....	935	935
October.....	2,000	2,000
November.....	400	400
Total.....	13,994	13,994

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, eastbound, during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	1,465	1,465
July.....	2,950	2,950
August.....	4,017	4,017
September.....	935	935
Total.....	9,367	9,367

OSWEGO DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	2,665	2,665
July.....	3,977	3,977
August.....	4,017	4,017
September.....	935	935
October.....	2,000	2,000
November.....	400	400
Total.....	13,994	13,994

OSWEGO DIVISION — (Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, eastbound, during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	1,465	1,465
July.....	2,950	2,950
August.....	4,017	4,017
September.....	935	935
Total.....	9,367	9,367

OSWEGO DIVISION—(Concluded)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight, westbound, during the season of 1919

	Products of the ground— Sand, stone, gravel	Total
June.....	1,200	1,200
July.....	1,027	1,027
October.....	2,000	2,000
November.....	400	400
Total.....	4,627	4,627

BLACK RIVER DIVISION

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) carried during the season of 1919

	MANUFACTURED PRODUCTS		Products of agriculture— fruit and vegetables	PRODUCTS OF THE GROUND		Total
	Cement and lime	All other		Anthracite coal	Sand, stone, gravel	
June.....	.....	.....	.....	.....	100	100
July.....	.....	.....	.....	50	100	150
August.....	.....	.....	.....	.....	2,500	2,500
October.....	83	3	.....	.....	1,500	1,586
November.....	.....	.....	105	.....	400	505
Total.....	83	3	105	50	4,600	4,841

BLACK RIVER DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of eastbound freight during the season of 1919

	Products of agriculture— fruit and vegetables	Products of the ground— Sand, stone, gravel	Total
June . . . . .	.....	100	100
July . . . . .	.....	100	100
August . . . . .	.....	2,500	2,500
October . . . . .	.....	1,500	1,500
November	105	400	505
Total	105	4,600	4,705

BLACK RIVER DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of westbound freight during the season of 1919

	MANUFACTURED PRODUCTS		Products of the ground—Anthracite coal	Total
	Cement and lime	All other		
July.....	.....	.....	50	50
October.....	83	3	.....	86
Total.....	83	3	50	136

BLACK RIVER DIVISION—(Continued)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.) of local freight carried during the season of 1919

	MANUFACTURED PRODUCTS		Products of agriculture—fruits and vegetables	PRODUCTS OF THE GROUND		Total
	Cement and lime	All other		Anthracite coal	Sand, stone, gravel	
June.....	.....	.....	.....	.....	100	100
July.....	.....	.....	.....	50	100	150
August.....	.....	.....	.....	.....	2,500	2,500
October.....	83	3	.....	.....	1,500	1,586
November.....	.....	.....	105	.....	400	505
Total.....	83	3	105	50	4,600	4,841

BLACK RIVER DIVISION—(Concluded)

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.)
of local freight, eastbound, during the season of 1919

	Products of agriculture— Fruit and vegetables	Products of the ground— Sand, stone, gravel	Total
June.....	.....	100	100
July.....	.....	100	100
August.....	.....	2,500	2,500
October.....	.....	1,500	1,500
November.....	105	400	505
Total.....	105	4,600	4,705

ANNUAL STATEMENT showing the total quantity (in tons of 2,000 lbs.)
of local freight westbound, during the season of 1919

	MANUFACTURED PRODUCTS		Products of the ground— Anthracite coal	Total
	Cement and lime	All other		
July.....	.....	.....	50	50
October.....	83	3	.....	86
Total...	83	3	50	136

FORWARDED—Total tonnage, season of 1919

	MANUFACTURED PRODUCTS					
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick
Albany.....	2	.....	.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....
Brewerton.....
Buffalo.....	32,825	9,178	3,025	.....	.....	.....
Canastota.....
Coveville.....
Crescent.....	1,043
Durhamville.....
East Varick.....
Fairport.....
Fonda.....
Fort Edward.....	50	.....	.....	.....	.....
Fort Miller.....
Fulton.....
Geneva.....
Glens Falls.....	3,997	.....
Hinmansville.....
Hudson.....	15,352	.....
Hudson Falls.....

Hulberton.....	.....	.....	.....	.....	.....	.....
Liverpool.....	.....	.....	.....	.....	.....	.....
Ludlowville.....	.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....	.....
New York City.....	6	.....	.....	16	.....	.....
Northumberland.....	.....	.....	.....	.....	.....	.....
Oak Orchard.....	.....	.....	.....	.....	.....	.....
Portland Point.....	.....	.....	.....	.....	1,740	.....
Rochester.....	35	.....	.....	.....	.....	.....
Rome.....	.....	.....	157	.....	83	.....
Schenectady.....	.....	.....	.....	.....	.....	.....
Schuylerville.....	.....	.....	.....	.....	.....	.....
Smith's Basin.....	.....	.....	.....	.....	.....	.....
Spencerport.....	.....	.....	.....	.....	.....	.....
Syracuse.....	12	.....	.....	.....	200	.....
Thomsons.....	.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....	.....
Troy.....	225	.....	3,878	46,133	.....	.....
Utica.....	.....	.....	.....	.....	.....	.....
Vischer's Ferry.....	.....	.....	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....
Waterloo.....	.....	.....	.....	.....	.....	.....
Watervliet.....	.....	.....	.....	.....	.....	.....
Watkins.....	.....	.....	.....	.....	.....	.....
Weedsport.....	.....	.....	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	.....	.....	.....
Wilbur's Basin.....	.....	.....	.....	.....	.....	.....
Total.....	32,825	9,506	7,060	46,151	21,372	1,043

Forwarded—Total tonnage, season of 1919—(Continued)

	MANUFACTURED PRODUCTS				
	Salt	Sugar	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.
Albany.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....
Brewerton.....
Buffalo.....
Canastota.....
Coveville.....
Crescent.....
Durhamville.....
East Varick.....
Fairport.....
Fonda.....
Fort Edward.....
Fort Miller.....
Fulton.....
Geneva.....
Glens Falls.....
Hinmansville.....
Hudson.....
Hudson Falls.....
					190

[illegible]

Forwarded—Total tonnage, season of 1919—(Continued)

	MANUFACTURED PRODUCTS					All other
	Textiles, boots, shoes, etc.	Furniture and household furnishings	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	
Albany.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....
Brewerton.....
Buffalo.....	400	8,130	.....	.....	.....
Canastota.....
Coveville.....
Crescent.....
Durhamville.....
East Varick.....
Fairport.....
Fonda.....
Fort Edward.....
Fort Miller.....
Fulton.....
Geneva.....
Glens Falls.....
Hinmansville.....
Hudson.....
Hudson Falls.....

Hulberton.....	.....	.....	.....	.....	.....	.....
Liverpool.....	.....	.....	.....	.....	.....	.....
Ludlowville.....	.....	.....	.....	.....	.....	.....
Mechanioville.....	.....	.....	.....	.....	.....	.....
New York City.....	.....	.....	.....	.....	2	.....
Northumberland.....	.....	.....	.....	.....	.....	.....
Oak Orchard.....	.....	.....	.....	.....	.....	.....
Portland Point.....	.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	.....	.....
Rome.....	.....	.....	.....	.....	.....	3
Schenectady.....	.....	.....	.....	.....	.....	.....
Schuylerville.....	.....	.....	.....	.....	.....	.....
Smith's Basin.....	.....	.....	.....	.....	.....	.....
Spencerport.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	.....	.....	.....	13,603	.....
Thomsons.....	.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....	.....
Troy.....	158	.....	34	.....	521	6,177
Utica.....	.....	.....	.....	.....	.....	.....
Vischer's Ferry.....	.....	.....	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....
Waterloo.....	.....	.....	.....	.....	.....	464
Watervliet.....	.....	.....	.....	.....	.....	.....
Watkins.....	.....	.....	.....	.....	.....	.....
Weedsport.....	.....	.....	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	.....	.....	.....
Wilbur's Basin.....	.....	.....	.....	.....	.....	.....
Total.....	158	403	8,164	1,683	14,126	6,644

Forwarded—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF ANIMALS		MISCELLANEOUS PRODUCTS			Products of agriculture—Wheat
	Hides, leather and wool	All other	Ice	Merchandise N. O. S.	All other	
Albany.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....
Brewerton.....	7,671	.....	.....	.....
Buffalo.....
Canastota.....
Coveville.....	7,890	.....	.....	.....
Crescent.....	13,492	.....	.....	.....
Durhamville.....
East Varick.....	26	.....	.....	60	.....
Fairport.....
Fonda.....
Fort Edward.....
Fort Miller.....
Fulton.....
Geneva.....
Glens Falls.....
Hinmansville.....
Hudson.....
Hudson Falls.....
						16,028

Hulberton.....	.....	.....	.....	.....	.....	.....
Liverpool.....	.....	.....	.....	.....	.....	.....
Ludlowville.....	.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....	.....
New York City.....	.....	.....	.....	.....	.....	.....
Northumberland.....	.....	.....	.....	.....	.....	.....
Oak Orchard.....	.....	.....	.....	.....	.....	.....
Portland Point.....	.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	.....	.....
Rome.....	.....	.....	.....	.....	.....	.....
Schenectady.....	.....	.....	.....	.....	.....	.....
Schuylerville.....	.....	.....	.....	.....	.....	.....
Smith's Basin.....	.....	.....	.....	.....	.....	.....
Spencerport.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	.....	.....	.....	.....	.....
Thomsons.....	.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....	.....
Troy.....	.....	.....	.....	.....	.....	.....
Utica.....	.....	.....	.....	.....	.....	.....
Vischer's Ferry.....	.....	.....	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....
Waterloo.....	.....	.....	.....	.....	.....	.....
Watervliet.....	.....	.....	.....	.....	.....	.....
Watkins.....	.....	.....	.....	.....	.....	.....
Weedsport.....	.....	.....	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	.....	.....	.....
Wilbur's Basin.....	.....	.....	.....	.....	.....	.....
Total.....	760	26	47,242	15,229	1,468	16,028

Forwarded—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF AGRICULTURE					
	Corn	Oats	Rye	Barley	Flour	Hay
Albany.
Albion.
Baldwinsville.	384	.....	.....	.....	.....
Battle Island.
Boonville.
Brewerton.
Buffalo.	52,176	55,344	15,100	4,474	.....
Canastota.
Coveville.
Crescent.
Durhamville.
East Varick.
Fairport.
Fonda.
Fort Edward.
Fort Miller.
Fulton.
Geneva.
Glens Falls.
Hinmansville.
Hudson.
Hudson Falls.
						20

Forwarded—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF AGRICULTURE				PRODUCTS OF FOREST	
	Flaxseed	Cotton	Fruit and vegetables	All other	Lumber	Wood pulp
Albany.....	5	.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....	105	.....	.....	.....
Brewerton.....
Buffalo.....	3,967	.....
Canastota.....
Coreville.....
Crescent.....
Durhamville.....
East Varick.....	20	5	15	.....
Fairport.....
Fonda.....
Fort Edward.....	1,354	.....
Fort Miller.....
Fulton.....
Geneva.....
Glens Falls.....	37,484	.....
Hinmansville.....
Hudson.....
Hudson Falls.....	6,173	.....

Hulberton .....	.....	.....	.....	.....	.....	.....
Liverpool .....	.....	.....	.....	.....	.....	.....
Ludlowville .....	.....	.....	.....	.....	.....	.....
Mechanicville .....	.....	.....	.....	.....	.....	.....
New York City .....	.....	.....	.....	.....	.....	.....
Northumberland .....	.....	.....	.....	.....	.....	.....
14 Oak Orchard .....	.....	21	.....	.....	.....	.....
Portland Point .....	.....	.....	.....	.....	.....	.....
Rochester .....	.....	.....	.....	.....	.....	585
Rome .....	.....	.....	.....	.....	.....	.....
Schenectady .....	.....	.....	.....	.....	.....	.....
Schuylerville .....	.....	209	.....	.....	.....	.....
Smith's Basin .....	.....	.....	.....	.....	.....	.....
Spencerport .....	.....	.....	.....	.....	.....	.....
Syracuse .....	.....	.....	.....	.....	.....	.....
Thomsons .....	.....	.....	.....	.....	.....	.....
Tonawanda .....	.....	.....	.....	.....	.....	.....
Troy	37,113	224	157	319	20,289	.....
Utica .....	.....	.....	.....	.....	552	.....
Vischer's Ferry .....	.....	.....	.....	.....	.....	.....
Waterford .....	.....	.....	.....	.....	.....	.....
Waterloo .....	.....	.....	.....	.....	.....	.....
Watervliet .....	.....	.....	.....	.....	.....	.....
Watkins .....	.....	.....	.....	.....	.....	.....
Weedsport .....	.....	.....	.....	.....	.....	.....
Whitehall .....	.....	.....	.....	.....	73,057	7,808
Wilbur's Basin .....	.....	.....	.....	.....	.....	.....
Total	37,113	224	512	324	143,481	7,808

Forwarded—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF FOREST			PRODUCTS OF THE GROUND	
	Pulpwood	Shingles, lath	All other	Anthracite coal	Bituminous coal
Albany.....	4	.....	.....
Albion.....
Baldwinsville.....
Battle Island.....
Boonville.....
Brewerton.....
Buffalo.....	520
Canastota.....	2,261	.....
Coveville.....
Crescent.....
Durhamville.....
East Varick.....
Fairport.....
Fonda.....
Fort Edward.....
Fort Miller.....
Fulton.....
Geneva.....	130	.....	.....	.....
Glens Falls.....
Hinmansville.....
Hudson.....
Hudson Falls.....	1,044	.....	.....

Hulberton .....	.....	.....	.....	.....	.....
Liverpool .....	.....	.....	.....	.....	.....
Ludlowville .....	.....	.....	.....	.....	.....
Mechanicville .....	.....	.....	.....	.....	.....
New York City .....	.....	.....	.....	.....	.....
Northumberland .....	.....	.....	.....	.....	.....
Oak Orchard .....	.....	.....	.....	.....	.....
Portland Point .....	.....	.....	.....	.....	.....
Rochester .....	.....	.....	.....	.....	.....
Rome .....	.....	.....	.....	.....	.....
Schenectady .....	.....	.....	.....	.....	.....
Schuylerville .....	.....	.....	.....	.....	.....
Smith's Basin .....	.....	.....	.....	.....	.....
Spencerport .....	.....	.....	.....	.....	.....
Syracuse .....	.....	.....	80	21,126	.....
Thomsons .....	.....	.....	392	.....	.....
Tonawanda .....	.....	.....	.....	.....	.....
Troy .....	.....	.....	.....	59,401	8,608
Utica .....	.....	.....	.....	.....	.....
Vischer's Ferry .....	.....	.....	.....	.....	.....
Waterford .....	.....	.....	.....	.....	.....
Waterloo .....	.....	.....	.....	.....	.....
Watervliet .....	.....	.....	.....	.....	.....
Watkins .....	.....	.....	.....	.....	.....
Weedsport .....	.....	.....	.....	.....	.....
Whitehall .....	.....	.....	.....	22,264	.....
Wilbur's Basin .....	.....	.....	.....	.....	.....
Total	19,604	130	23,784	82,788	9,128

Forwarded—Total tonnage, season of 1919—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Iron ore	Sand, stone, gravel	Clay	All other	
Albany.....	1	12
Albion.....	220	.....	.....	220
Baldwinsville.....	384
Battle Island.....	6,966	.....	.....	6,966
Boonville.....	4,500	.....	.....	4,605
Brewerton.....	186	.....	7,857
Buffalo.....	2,758	.....	.....	203,925
Canastota.....	2,261
Coveville.....	7,890
Crescent.....	14,535
Durhamville.....	20
East Varick.....	40
Fairport.....	4,200	.....	.....	4,200
Fonda.....	3,780	.....	.....	3,780
Fort Edward.....	360	1,764
Fort Miller.....	190
Fulton.....	5,001	.....	.....	5,001
Geneva.....	86
Glens Falls.....	237	.....	.....	41,848
Hinmansville.....	1,800	.....	.....	1,800
Hudson.....	15,352
Hudson Falls.....	7,217

Hulberton	1,255	.....	.....	.....	1,255
Liverpool .....	.....	.....	.....	.....	480
Ludlowville .....	.....	.....	.....	.....	1,925
Mechanicville	5,989	.....	.....	.....	5,989
New York City	285	.....	.....	1	347
Northumberland .....	.....	.....	.....	.....	11,200
Oak Orchard	23,151	.....	.....	.....	23,151
Portland Point .....	.....	.....	.....	.....	1,761
Rochester .....	.....	.....	.....	.....	31,210
Rome	200	.....	.....	.....	1,856
Schenectady .....	.....	.....	.....	.....	6,283
Schuylerville .....	.....	.....	.....	.....	209
Smith's Basin	2,750	.....	.....	.....	2,750
Spencerport	220	.....	.....	140	360
Syracuse .....	.....	.....	.....	.....	39,689
Thomsons .....	.....	.....	.....	.....	1,308
Tonawanda	315,100	.....	.....	.....	335,389
Troy	27,561	.....	19,428	12,630	247,799
Utica .....	.....	.....	.....	.....	610
Vischer's Ferry	1,114	.....	.....	.....	1,114
Waterford	280	.....	.....	.....	831
Waterloo	2,490	.....	.....	.....	2,538
Watervliet .....	.....	.....	.....	.....	4,715
Watkins .....	.....	.....	.....	.....	5,976
Weedsport .....	.....	.....	.....	.....	75
Whitehall	41,779	.....	.....	5,036	176,562
Wilbur's Basin .....	.....	.....	.....	.....	3,509
Total	41,779	419,629	19,614	18,168	1,238,844

RECEIVED—Total tonnage, season of 1919

	MANUFACTURED PRODUCTS					
	Iron, pig and bloom	Iron or steel articles	Other metals	Petroleum and other oil	Cement and lime	Brick
Albany	56	.....	1	.....	.....
Amsterdam	595	.....	.....
Baldwinsville	740	.....
Boonville	83	.....
Brooklyn	570	.....
Buffalo	224	.....	216	300	.....
Canastota
Cohoes
Comstock
Coveville
Fort Ann
Fort Edward	3,400	.....	.....
Fort Miller
Fulton	12	.....	.....	.....	.....
Geneva
Glasco
Glens Falls
Hudson Falls
Ithaca
Lansingburgh
Little Falls	4,674	500	.....

Received—Total tonnage, season of 1919—(Continued)

	MANUFACTURED PRODUCTS				
	Salt	Sugar	Implements, vehicles and parts	Machinery and tools	Wines, liquors, etc.
Albany.....
Amsterdam.....	28	.....	.....	.....
Baldwinsville.....
Boonville.....
Brooklyn.....
Buffalo.....	879	.....	13	78
Canastota.....
Cohoes.....
Comstock.....
Coveville.....	7	.....
Fort Ann.....
Fort Edward.....
Fort Miller.....
Fulton.....
Geneva.....
Glasco.....
Glens Falls.....
Hudson Falls.....
Ithaca.....	20	.....
Lansingburgh.....
Little Falls.....

Lockport.....	.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....	.....
Medina.....	.....	.....	.....	.....	.....	.....
Middleport.....	.....	.....	.....	.....	.....	.....
Minetto.....	.....	.....	.....	.....	.....	.....
Montezuma.....	.....	.....	.....	.....	.....	.....
New York City.....	39,031	.....	459	5,824	466	1,106
Northumberland.....	.....	.....	.....	17	.....	.....
Oswego.....	.....	.....	.....	.....	.....	.....
Phoenix.....	.....	.....	.....	.....	.....	.....
Port Byron.....	.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	.....	.....
Rome.....	.....	.....	.....	.....	.....	.....
Schenectady.....	.....	.....	.....	4,623	.....	.....
Seneca Falls.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	897	.....	.....	.....	.....
Thomsons.....	.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	30	.....	.....	.....
Troy.....	.....	.....	.....	.....	.....	.....
Utica.....	.....	380	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....
Watervliet.....	.....	.....	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	314	.....	.....
Season total.....	39,031	2,184	489	10,818	466	1,184

Received—Total tonnage, season of 1919—(Continued)

	MANUFACTURED PRODUCTS					
	Textiles, boots, shoes, etc.	Furniture and household furnishings	Oil meal and cake	Fertilizers	Chemicals, drugs, etc.	All other
Albany
Amsterdam
Baldwinsville
Boonville	3	.....	.....	.....	3
Brooklyn
Buffalo	158	.....	34	1,683	243	4,597
Canastota
Cohoes
Comstock
Coveville
Fort Ann
Fort Edward
Fort Miller	56
Fulton
Geneva
Glasco
Glens Falls
Hudson Falls
Ithaca
Lansingburgh
Little Falls

Received—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF ANIMALS		MISCELLANEOUS PRODUCTS			Products of agriculture—Wheat
	Hides, leather and wool	All other	Ice	Merchandise N. O. S.	All other	
Albany	5	.....
Amsterdam
Baldwinsville
Boonville	26	.....	.....
Brooklyn
Buffalo	760	.....	.....	8,521	1,066	.....
Canastota	75	.....	.....
Cohoes
Comstock
Coveville
Fort Ann
Fort Edward
Fort Miller	100	.....	.....
Fulton
Geneva	630	.....	.....
Glasco
Glens Falls
Hudson Falls
Ithaca
Lansingburgh	2,554	.....	.....
Little Falls

Lockport.....	.....	.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....	.....	.....
Medina.....	.....	.....	.....	.....	.....	.....	.....
Middleport.....	.....	.....	.....	.....	.....	.....	.....
Minetto.....	.....	.....	.....	.....	.....	.....	.....
Montezuma.....	.....	.....	.....	.....	.....	.....	.....
New York City.....	.....	.....	28,617	.....	549	.....	16,028
Northumberland.....	.....	.....	.....	.....	.....	.....	.....
Oswego.....	.....	.....	.....	.....	28	.....	.....
Phoenix.....	.....	.....	.....	.....	.....	.....	.....
Port Byron.....	.....	.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	6	.....	.....
Rome.....	.....	.....	.....	.....	160	.....	.....
Schenectady.....	.....	.....	.....	.....	.....	78	.....
Seneca Falls.....	.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	.....	.....	.....	.....	271	.....
Thomsons.....	.....	.....	7,671	.....	2,043	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....	.....	.....
Troy.....	.....	.....	7,280	.....	33	.....	.....
Utica.....	.....	.....	.....	.....	3,045	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....	.....
Watervliet.....	.....	.....	1,120	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	.....	13	48	.....
Season total.....	760	26	44,688	17,783	1,468	16,028	.....

Received—Total tonnage, season of 1919—(Continued)

PRODUCTS OF AGRICULTURE						
	Corn	Oats	Rye	Barley	Flour	Hay
Albany
Amsterdam
Baldwinsville.
Boonville.	43
Brooklyn
Buffalo.
Canastota
Cohoes
Comstock.	40
Coveville
Fort Ann
Fort Edward
Fort Miller.
Fulton
Geneva.
Glasco
Glens Falls
Hudson Falls
Ithaca
Lansingburgh
Little Falls

Lockport.....	.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....	.....
Medina.....	1,008	.....	.....	.....	.....	.....
Middleport.....	.....	.....	.....	.....	.....	.....
Minetto.....	.....	.....	.....	.....	.....	.....
Montezuma.....	.....	.....	.....	.....	.....	.....
New York City.....	.....	52,560	55,344	15,100	4,474	2,054
Northumberland.....	.....	.....	.....	.....	.....	.....
Oswego.....	.....	.....	.....	.....	.....	.....
Phoenix.....	.....	.....	.....	.....	.....	.....
Port Byron.....	.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	.....	.....
Rome.....	.....	.....	.....	.....	.....	.....
Schenectady.....	.....	.....	.....	.....	.....	75
Seneca Falls.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	.....	.....	.....	.....	.....
Thomsons.....	.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....	.....
Troy.....	.....	.....	.....	.....	.....	.....
Utica.....	.....	.....	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	.....	.....
Watervliet.....	.....	.....	.....	.....	.....	.....
Whitehall.....	.....	.....	.....	.....	.....	.....
Season total.....	1,008	52,560	55,344	15,100	4,474	2,212

Received—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF AGRICULTURE				PRODUCTS OF FOREST	
	Flaxseed	Cotton	Fruits and vegetables	All other	Lumber	Wood pulp
Albany	2,287	.....
Amsterdam
Baldwinsville
Boonville
Brooklyn	3,089	.....
Buffalo	157	.....	.....	.....
Canastota	37,113	224	.....	.....	.....	.....
Cohoes
Comstock
Coveville
Fort Ann
Fort Edward	258	4,315
Fort Miller	784
Fulton
Geneva
Glasco
Glens Falls	24,248	.....
Hudson Falls	11,690	.....
Ithaca
Lansingburgh
Little Falls

Received—Total tonnage, season of 1919—(Continued)

	PRODUCTS OF FOREST			PRODUCTS OF THE GROUND	
	Pulpwood	Shingles, lath	All other	Anthracite coal	Bituminous coal
Albany.....
Amsterdam.....
Baldwinsville.....	2,961	.....
Boonville.....	50	.....
Brooklyn.....
Buffalo.....
Canastota.....
Cohoes.....	703	.....
Comstock.....
Coveville.....
Fort Ann.....	200	.....	.....
Fort Edward.....	9,839	.....	.....	.....	.....
Fort Miller.....	5,546	.....	.....	.....	1,059
Fulton.....
Geneva.....
Glasco.....
Glens Falls.....	2,340	2,285	866
Hudson Falls.....	1,824	5,962	.....
Ithaca.....
Lansingburgh.....	2,979	.....
Little Falls.....

Lockport.....	.....	.....	.....	.....	.....
Mechanicville.....	.....	.....	.....	.....	.....
Medina.....	.....	.....	.....	.....	.....
Middleport.....	.....	.....	.....	.....	.....
Minetto.....	.....	.....	.....	.....	.....
Montezuma.....	.....	.....	.....	.....	.....
New York City.....	.....	.....	130	19,340	520
Northumberland.....	.....	.....	.....	.....	.....
Oswego.....	.....	.....	.....	.....	.....
Phoenix.....	.....	.....	.....	.....	.....
Port Byron.....	.....	.....	.....	.....	.....
Rochester.....	.....	.....	.....	.....	.....
Rome.....	.....	.....	.....	.....	276
Schenectady.....	.....	.....	.....	.....	.....
Seneca Falls.....	.....	.....	.....	80	.....
Syracuse.....	.....	.....	.....	.....	20,100
Thomsons.....	.....	.....	.....	.....	.....
Tonawanda.....	.....	.....	.....	.....	.....
Troy.....	.....	.....	.....	.....	.....
Utica.....	.....	.....	.....	.....	.....
Waterford.....	.....	.....	.....	.....	3,473
Watervliet.....	.....	.....	.....	.....	3,863
Whitehall.....	.....	.....	.....	.....	40,136
.....	.....	.....	.....	.....	6,683
Season total.....	19,604	130	23,784	82,788	9,128

Received—Total tonnage, season of 1919—(Concluded)

	PRODUCTS OF THE GROUND				Total
	Iron ore	Sand, stone gravel	Clay	All other	
Albany.....	1	2,350
Amsterdam.....	3,780	.....	.....	4,403
Baldwinsville.....	694	.....	.....	4,395
Boonville.....	208
Brooklyn.....	2,659
Buffalo.....	318,619	7,754	303	382,842
Canastota.....	75
Cohoes.....	703
Comstock.....	40
Coveville.....	7
Fort Ann.....	200
Fort Edward.....	235	2,184	20,231
Fort Miller.....	7,545
Fulton.....	12
Geneva.....	630
Glasco.....	308	308
Glens Falls.....	29,739
Hudson Falls.....	19,476
Ithaca.....	20
Lansingburgh.....	5,533
Little Falls.....	5,174

Lockport.....	9,150	.....	.....	.....	9,150
Mechanicville.....	.....	.....	1,541	4,220	10,135
Medina.....	2,218	.....	.....	.....	3,226
Middleport.....	2,758	.....	.....	1,173	3,931
Minetto.....	2,000	.....	.....	.....	2,000
Montezuma.....	1,796	.....	.....	.....	1,996
New York City.....	8,989	41,779	.....	495	444,133
Northumberland.....	.....	.....	.....	.....	17
Oswego.....	6,762	.....	.....	.....	7,516
Phoenix.....	9,369	.....	.....	.....	9,369
Port Byron.....	.....	.....	.....	.....	15
Rochester.....	5,895	.....	.....	140	26,964
Rome.....	.....	.....	.....	.....	2,774
Schenectady.....	.....	.....	.....	.....	14,697
Seneca Falls.....	.....	.....	.....	.....	820
Syracuse.....	31,758	.....	1,331	.....	72,567
Thomsons.....	.....	.....	.....	.....	2,545
Tonawanda.....	1,585	.....	.....	.....	1,969
Troy.....	285	.....	.....	.....	23,257
Utica.....	.....	.....	.....	.....	13,836
Waterford.....	2,750	.....	.....	.....	6,223
Watervliet.....	.....	.....	.....	.....	5,332
Whitehall.....	11,221	.....	8,753	9,444	89,822
Season total.....	419,629	41,779	19,614	18,168	1,238,844

ANNUAL STATEMENT showing the individual tonnage for the season of 1919

1919	MAY		JUNE		JULY		AUGUST	
	Forwarded	Received	Forwarded	Received	Forwarded	Received	Forwarded	Received
Albany	4	1,135	8	11
Albion
Amsterdam	325	.....	1,553	.....	930
Baldwinsville	275	.....	761	384	.....	.....	515
Battle Island	1,030	.....	2,456	.....
Boonville	325	.....	.....	50	2,600	.....
Brewerton	100	.....	.....	.....	3,158	.....
Brooklyn	701	.....	3,998	.....	.....	.....
Brooklyn	435	.....	.....	.....	.....
Buffalo	18,532	31,680	16,609	55,927	33,286	68,057	31,421	52,075
Canastota	761	.....	.....	.....	31,375	.....
Cohoes
Comstock	40	.....	.....
Corvaille	4,480	.....	.....	.....
Crescent	2,677	.....	3,400	7	4,430	.....	840	.....
Durhamville	5,545	.....	.....	.....	.....	.....
East Varick
Fairport	1,800	.....	1,600	.....
Fonda	800	.....	1,325	.....	830	.....
Fort Ann	325	.....	.....	.....	.....	.....
Fort Edward	578	.....	200	.....	.....	.....	2,460
Fort Miller	532	.....	581	.....	.....	.....	2,617
Fulton	502	.....	.....
Geneva	1,740	.....	1,320	.....	1,161	.....
Glascow	12	.....	170	18	185
Glens Falls	846	3,206	.....	.....	.....	.....	.....	.....
Hinmansville	4,095	2,448	6,444	4,134	6,225	3,410
Hudson	600	400	.....	.....	800	.....
Hudson Falls	4,788	1,710	.....	.....
Hulberton	943	1,824	600	3,061	400	3,960	1,150	2,310
Ithaca	800	.....	.....	.....	.....	.....	.....	.....
Lansingburgh	1,296	.....	391	.....	20	.....	.....
Little Falls	1,173	.....	490	.....	229	.....	1,669
Liverpool	480	.....	.....	1,926
Lockport
Ludlowville	420	.....	.....	.....	1,505	1,595
Mechanicville	269	.....	773	336	1,614	258	1,288
Medina	1,120	.....	.....

Annual Statement showing the individual tonnage for the season of 1919—(Concluded)

1919	SEPTEMBER		OCTOBER		NOVEMBER		TOTAL	
	Forwarded	Received	Forwarded	Received	Forwarded	Received	Forwarded	Received
Albany .....	.....	633	.....	521	.....	50	12	2,350
Albion	220	.....	.....	.....	.....	.....	220	.....
Amsterdam .....	.....	500	.....	500	.....	595	.....	4,403
Baldwinsville .....	.....	590	.....	1,659	.....	595	.....	4,395
Battle Island	755	.....	2,000	.....	400	.....	6,966	.....
Boonville .....	.....	.....	1,500	158	505	.....	4,605	208
Brewerton .....	.....	.....	.....	.....	.....	.....	7,867	.....
Brooklyn .....	.....	197	.....	616	.....	976	.....	2,659
Buffalo	31,614	61,667	37,777	66,453	34,686	47,983	203,925	382,842
Canastota	365	.....	365	.....	395	75	2,261	76
Cohoes .....	.....	118	.....	585	.....	.....	.....	703
Comstock .....	.....	.....	.....	.....	.....	.....	.....	40
Corville .....	.....	.....	.....	.....	.....	.....	7,890	7
Crescent .....	.....	.....	.....	.....	1,043	.....	14,535	.....
Durhamville .....	.....	.....	20	.....	.....	.....	20	.....
East Varick	5	.....	15	.....	5	.....	40	.....
Fairport .....	.....	.....	.....	.....	.....	.....	4,200	.....
Fonda	500	.....	500	.....	.....	.....	3,780	.....
Fort Ann .....	.....	.....	.....	.....	.....	.....	.....	200
Fort Edward .....	.....	5,492	.....	8,355	1,764	2,765	1,764	20,231
Fort Miller .....	.....	808	.....	3,086	190	.....	190	7,545
Fulton	180	.....	.....	.....	.....	.....	5,001	12
Geneva	60	235	8	40	.....	.....	86	630
Glascow .....	.....	.....	.....	308	.....	.....	.....	308
Glens Falls	6,521	4,257	10,967	7,118	6,750	5,160	41,848	29,739
Hinmansville .....	.....	.....	.....	.....	.....	.....	.....	.....
Hudson	3,382	.....	3,629	.....	1,843	.....	1,800	.....
Hudson Falls	597	1,988	1,968	3,459	1,859	2,854	15,362	.....
Hulberton .....	.....	.....	225	.....	230	.....	7,217	19,476
Ithaca .....	.....	.....	.....	.....	.....	.....	1,255	.....
Lansingburgh .....	.....	493	.....	1,400	.....	155	.....	20
Little Falls .....	.....	200	.....	790	.....	595	.....	5,533
Liverpool .....	.....	.....	.....	.....	.....	.....	.....	5,174
Lockport .....	.....	.....	.....	4,150	.....	5,000	480	.....
Ludlowville .....	.....	.....	.....	.....	.....	.....	1,925	9,150
Mechanicville	1,283	510	2,421	2,652	1,691	2,722	5,989	10,135
Medina .....	.....	560	.....	258	.....	.....	.....	3,226

[illegible]

The following statement shows the average lake and canal rates on wheat and corn since 1890.

YEAR	Freight, Buffalo to New York	Tolls	Lake freight.
1890.	c. m. fr.	c. fr.	c. m. fr.
Wheat, per bushel.....	3 8 7	.....	1 9 8
Corn, per bushel.....	3 3 9	.....	1 6 9
1891.			
Wheat, per bushel.....	3 5 3	.....	.....
Corn, per bushel.....	3 2 0	.....	.....
1892.			
Wheat, per bushel.....	3 4 4	.....	2 2 1
Corn, per bushel.....	3 5 5	.....	1 9 5
1893.			
Wheat, per bushel.....	4 6 5	.....	1 6 6
Corn, per bushel.....	4 2 8	.....	1 4 5
1894.			
Wheat, per bushel.....	3 1 3	.....	1 2 4
Corn, per bushel.....	2 8 8	.....	1 1 5
1895.			
Wheat, per bushel.....	2 2 0	.....	1 8 0
Corn, per bushel.....	1 9 0	.....	1 7 0
1896.			
Wheat, per bushel.....	3 7 0	.....	1 6 0
Corn, per bushel.....	3 5 0	.....	1 3 0
1897.			
Wheat, per bushel.....	1 8 4	.....	1 2 5
Corn, per bushel.....	2 3 8	.....	1 4 2
1898.			
Wheat, per bushel.....	2 8 7	.....	1 6 9
Corn, per bushel.....	2 3 6	.....	1 5 6
1899.			
Wheat, per bushel.....	2 9 2	.....	2 5 0
Corn, per bushel.....	2 5 0	.....	2 4 0
1900.			
Wheat, per bushel.....	2 5 1	.....	1 8 2
Corn, per bushel.....	2 2 2	.....	1 6 5

Average lake and canal rates on wheat and corn—(Continued).

YEAR	Freight, Buffalo to New York	Tolls	Lake freight
1901.	c. m. fr.	c. fr.	c. m. fr.
Wheat, per bushel.....	3 4 6	.....	1 7 6
Corn, per bushel.....	3 1 1	.....	1 6 4
1902.			
Wheat, per bushel.....	3 7 3	.....	1 5 0
Corn, per bushel.....	3 4 6	.....	1 3 6
1903.			
Wheat, per bushel.....	4 0 3	.....	1 4 0
Corn, per bushel.....	3 6 5	.....	1 3 1
1904.			
Wheat, per bushel.....	3 1 4	.....	1 5 0
Corn, per bushel.....	2 6 7	.....	1 3 4
1905.			
Wheat, per bushel.....	3 8 7	.....	1 6 4
Corn, per bushel.....	3 3 4	.....	1 5 0
1906.			
Wheat, per bushel.....	4 2 4	.....	1 6 7
Corn, per bushel.....	3 8 6	.....	1 5 4
1907.			
Wheat, per bushel.....	5 0 7	.....	1 5 4
Corn, per bushel.....	4 6 6	.....	1 4 1
1908.			
Wheat, per bushel.....	5 0 0	.....	1 1 0
Corn, per bushel.....	4 6 0	.....	1 0 0
1909.			
Wheat, per bushel.....	3 9 0	.....	1 2 7
Corn, per bushel.....	3 5 3	.....	1 2 7
1910.			
Wheat, per bushel.....	4 0 8	.....	1 0 6
Corn, per bushel.....	3 7 1	.....	1 0 6
1911.			
Wheat, per bushel.....	4 3 6	.....	1 0 3
Corn, per bushel.....	3 9 0	.....	1 0 3

Average lake and canal rates on wheat and corn — (Concluded).

YEAR	Freight, Buffalo to New York	Tolls	Lake freight
1912.	c. m. fr.	c. fr.	c. m. fr.
Wheat, per bushel.....	4 3 2	.....	1 3 6
Corn, per bushel.....	4 2 1	.....	1 3 4
1913.			
Wheat, per bushel.....	4 5 7	.....	1 4 0
Corn, per bushel.....	4 3 0	.....	1 4 0
1914.			
Wheat, per bushel.....	4 2 7	.....	.....
Corn, per bushel.....	4 2 4	.....	.....
1915.			
Wheat, per bushel.....	4 4 7	.....	1 3 3
Corn, per bushel.....	4 3 6	.....	1 3 6
1916.			
Wheat, per bushel.....	5 0 0	.....	1 1 2
Corn, per bushel.....	5 0 0	.....	1 1 2
1917.			
Wheat, per bushel.....	5 5 0	.....	No rates quoted
Corn, per bushel.....	5 3 0	.....	No rates quoted
1918.			
Wheat, per bushel.....	9 8 0	.....	2 0 0
Corn, per bushel.....	9 2 0	.....	1 7 5
1919.			
Wheat, per bushel.....	8 3 1	.....	2 2 1
Corn, per bushel.....	7 8 2	.....	1 8 9

Average rate on wheat and corn by lake, from Chicago to Buffalo, during the season of 1919

	Wheat			Corn		
	c.	m.	fr.	c.	m.	fr.
May, per bushel.....	2	0	0	1	7	5
June, per bushel.....	2	0	0	1	7	5
July, per bushel.....	2	0	0	1	7	5
August, per bushel.....	2	0	0	1	7	5
September, per bushel.....	2	2	5	2	0	0
October, per bushel.....	2	5	0	2	0	0
November, per bushel.....	2	7	5	2	2	5

Average rate on wheat and corn by canal, from Buffalo to New York, during the season of 1919

	Wheat			Corn		
	c.	m.	fr.	c.	m.	fr.
May, per bushel.....	8	5	0	8	0	0
June, per bushel.....	8	5	0	8	0	0
July, per bushel.....	8	2	5	7	7	5
August, per bushel.....	8	2	5	7	7	5
September, per bushel.....	8	2	5	7	7	5
October, per bushel.....	8	2	5	7	7	5
November, per bushel.....	8	2	5	7	7	5
Average	8	3	1	7	8	2

The following statement shows the number of clearances issued at each office during the season of 1919

	Clearances
Troy.....	2,125
Schenectady	21
Syracuse	644
Rochester.....	313
Tonawanda	72
Buffalo.....	779
Whitehall.....	859
Fort Edward	138
Waterloo	96
Hudson Falls	142
Glen Falls	143
Fonda.....	1
Total.....	5,333

Receipts by all routes at New York, April 30 to November 30, 1919

	Hudson	Erle	Pennsylvania	D., L. & W.	West Shore
Flour, barrels	163,372	627,276	311,024	717,218	214,442
Meal, barrels .....	.....	.....	50	.....	.....
Meal, sacks	6,800	16,100	18,584	8,532	6,300
Wheat, bushels	61,600	12,480,000	.....	9,338,800	10,507,200
Corn, bushels	96,600	100,800	.....	7,000	30,800
Oats, bushels	4,990,000	8,042,000	.....	2,104,000	900,000
Barley, bushels	65,250	867,850	.....	1,059,750	1,258,750
Rye, bushels	43,500	1,079,550	.....	2,423,050	1,536,000
Total grain	5,256,950	22,570,200	.....	14,932,600	14,232,750
Flour, bushels	735,174	2,822,742	1,399,608	3,227,481	964,989
Meal, bushels	13,600	32,200	37,368	16,664	12,600
Grand total	6,005,724	25,425,142	1,436,976	18,176,745	15,210,339
Per cent	5.82	24.58	1.39	17.58	14.71

Receipts by all routes at New York, etc.—(Continued)

	L. V. R. R.	B. & O. R. R.	Various	Total rail
Flour, barrels	2,925,463	470,562	9,004	5,438,361
Meal, barrels	.....	300	.....	350
Meal, sacks	19,066	78,215	.....	153,397
Wheat, bushels	7,285,900	.....	.....	39,673,500
Corn, bushels	1,400	.....	.....	236,600
Oats, bushels	2,387,000	.....	14,000	18,437,000
Barley, bushels	1,480,600	.....	.....	4,732,200
Rye, bushels	1,251,450	.....	.....	6,333,550
Total grain	12,406,350	.....	14,000	69,412,850
Flour, bushels	13,164,583	2,117,529	40,518	24,472,624
Meal, bushels	38,132	157,630	.....	308,194
Grand total	25,609,065	1,275,159	54,518	94,193,668
Per cent	24.76	2.20	.05	91.09

Receipts by all routes at New York, etc.—(Concluded)

	River and coast	Canal	Total water	Total rail and water
Flour, barrels	247, 061	.....	247, 061	5, 685, 422
Meal, barrels .....	.....	.....	.....	350
Meal, sacks	800	.....	.....	154, 197
Wheat, bushels	9, 000	492, 900	501, 900	40, 175, 400
Corn, bushels	770, 700	.....	770, 700	1, 007, 300
Oats, bushels .....	.....	3, 267, 600	3, 267, 600	21, 704, 600
Barley, bushels	1, 515, 100	536, 000	2, 051, 100	6, 783, 300
Rye, bushels .....	.....	1, 507, 500	1, 507, 500	7, 841, 050
Total grain	2, 294, 800	5, 804, 000	8, 098, 800	77, 511, 650
Flour, bushels	1, 111, 775	.....	1, 111, 775	26, 584, 399
Meal, bushels	1, 600	.....	1, 600	309, 794
Grand total	3, 408, 175	5, 804, 000	9, 212, 175	103, 405, 843
Per cent	3.29	5.62	8.91	100.00

Receipts by all routes at New York, January 1 to December 31, 1919

	Hudson	Erle	Pennsylvania	D., L. & W.	West Shore
Flour, barrels	254,402	940,190	564,011	967,696	313,452
Meal, barrels .....	.....	.....	50	.....	.....
Meal, sacks	10,100	25,098	57,144	19,425	6,300
Wheat, bushels	211,000	15,282,500	.....	11,519,800	14,498,600
Corn, bushels	173,600	359,800	.....	57,400	611,800
Oats, bushels	5,930,000	11,092,000	.....	2,902,000	1,222,000
Barley, bushels	100,050	1,253,450	.....	1,827,025	1,924,450
Rye, bushels	67,250	2,767,800	.....	3,825,100	1,921,000
Total grain	6,481,900	30,755,550	.....	20,131,325	20,177,850
Flour, bushels	1,144,809	4,230,855	2,538,050	4,354,632	1,410,534
Meal, bushels	20,200	50,196	114,488	38,850	12,600
Grand total	7,646,909	35,036,601	2,652,538	24,524,807	21,600,984
Per cent	5.35	24.52	1.85	17.17	15.12

Receipts by all routes at New York, etc.—(Continued)

	L. V. R. R.	B. & O. R. R.	Various	Total rail
Flour, barrels	4,093,299	572,019	18,823	7,723,892
Meal, barrels		500		550
Meal, sacks	47,231	136,416		301,714
Wheat, bushels	8,107,700			49,619,600
Corn, bushels	2,800			1,205,400
Oats, bushels	7,255,000	10,000	14,000	28,425,000
Barley, bushels	2,104,500			7,209,475
Rye, bushels	1,964,900			10,546,050
Total grain	19,434,900	10,000	14,000	97,005,525
Flour, bushels	18,419,845	2,574,085	84,704	34,757,514
Meal, bushels	94,462	274,832		605,628
Grand total	37,949,207	2,858,917	98,704	132,368,667
Per cent	26.56	2.00	.07	92.64

Receipts by all routes at New York, etc.—(Concluded)

	River and coast	Canal	Total water	Total rail and water
Flour, barrels	272, 165	.....	272, 165	7, 996, 057
Meal, barrels .....	.....	.....	.....	550
Meal, sacks	800	.....	800	302, 514
Wheat, bushels	9, 000	525, 900	534, 900	50, 154, 500
Corn, bushels	770, 700	.....	770, 700	1, 976, 100
Oats, bushels .....	.....	3, 267, 600	3, 267, 600	31, 692, 600
Barley, bushels	2, 186, 100	546, 300	2, 732, 400	9, 941, 875
Rye, bushels .....	.....	1, 983, 300	1, 983, 300	12, 529, 350
Total grain	2, 965, 800	6, 323, 100	9, 288, 900	106, 294, 425
Flour, bushels	1, 224, 742	.....	1, 224, 742	35, 982, 256
Meal, bushels	1, 600	.....	1, 600	607, 228
Grand total	4, 192, 142	6, 323, 100	10, 515, 242	142, 883, 909
Per cent	2.93	4.43	7.36	100.00

The tons of the total movement of articles on all the canals from 1837 to 1919, both inclusive, were as follows

YEAR	Product of the forest	Agriculture	Manufactures	Merchandise	Other articles	Total tons
1837.....	618,741	208,043	81,735	94,777	168,000	1,171,296
1838.....	665,089	255,227	101,526	122,290	186,879	1,333,011
1839.....	667,551	266,052	11,968	132,286	257,826	1,345,713
1840 Genesee Valley canal opened						
1841.....	587,647	393,780	100,367	112,021	222,231	1,416,046
1842.....	645,548	391,905	127,896	141,054	215,258	1,521,661
1843.....	504,597	401,276	98,968	101,446	130,644	1,236,931
1844.....	687,184	455,797	124,277	119,209	126,972	1,513,439
1845.....	864,373	509,387	144,245	141,930	156,651	1,816,586
1846.....	881,774	555,160	160,638	151,450	228,543	1,977,565
1847.....	916,976	814,258	149,006	169,799	218,623	2,268,662
1848.....	1,086,056	1,092,946	176,448	224,890	287,812	2,869,810
1849.....	1,086,080	913,824	202,781	261,458	331,287	2,796,230
1850.....	1,104,940	1,020,259	203,990	255,455	310,088	2,894,732
1851.....	1,261,991	965,619	200,218	269,370	379,419	3,076,617
1852.....	1,393,698	1,125,264	222,529	365,404	475,838	3,582,733
1853.....	1,586,080	1,213,357	207,955	420,295	435,754	3,863,441
1854.....	1,821,525	1,150,924	230,036	458,327	587,041	4,247,853
1855.....	1,768,745	992,839	258,021	406,022	740,235	4,165,862
1856.....	1,534,493	1,047,344	281,873	374,402	784,064	4,022,617
1857.....	1,478,664	1,192,673	284,901	370,768	789,076	4,116,082

1857.....	1,364,002	767,370	232,803	222,954	776,932	3,344,061
1858.....	1,232,968	1,279,891	295,903	188,441	667,989	3,665,192
1859.....	1,542,035	816,784	299,421	211,182	912,262	3,781,684
1860.....	1,509,977	1,682,754	268,759	250,360	938,364	4,650,124
1861.....	1,052,392	2,144,373	280,256	135,096	895,518	4,507,635
1862.....	1,569,674	2,494,036	364,877	167,927	1,002,271	5,598,785
1863.....	1,628,688	2,236,075	319,432	172,278	1,201,219	5,557,692
1864.....	1,478,921	1,572,836	282,354	143,984	1,374,846	4,852,941
1865.....	1,467,315	1,696,091	281,832	154,968	1,129,448	4,729,654
1866.....	1,769,994	1,786,060	302,241	179,878	1,237,047	5,775,220
1867.....	1,744,252	1,438,517	320,844	319,880	1,964,832	5,688,325
1868.....	1,958,309	1,442,147	373,262	324,064	2,344,443	6,442,225
1869.....	1,855,930	1,314,071	342,239	268,970	2,077,870	5,359,080
1870.....	1,916,511	1,309,153	352,497	271,856	2,323,752	6,173,769
1871.....	1,941,297	1,863,868	336,288	288,428	2,038,007	6,467,888
1872.....	1,950,798	1,683,962	325,564	298,758	2,414,288	6,673,370
1873.....	1,582,072	1,750,418	267,820	172,990	2,591,482	6,364,782
1874.....	1,482,753	1,772,583	246,697	132,181	2,170,374	5,804,588
1875.....	1,250,546	1,311,613	275,731	110,141	1,911,827	4,859,358
1876.....	1,175,313	1,067,497	180,201	64,943	1,684,175	4,172,129
1877.....	1,312,526	1,522,317	184,218	83,010	1,853,892	4,955,963
1878.....	1,364,120	1,921,236	220,063	138,064	1,527,837	5,171,320
1879.....	1,368,849	1,850,347	255,303	237,071	1,650,802	5,362,372
1880.....	1,566,764	2,408,358	278,114	355,165	1,849,255	6,457,656
1881.....	1,652,543	1,171,400	250,961	285,775	1,778,513	5,179,192
1882.....	1,771,743	1,173,257	187,535	283,174	2,051,714	5,467,423
1883.....	1,828,643	1,394,581	242,649	310,844	1,887,339	5,664,056
1884.....	1,671,706	1,264,237	205,013	300,480	1,568,052	5,009,488
1885.....	1,595,632	1,108,711	194,714	220,237	1,612,490	4,731,784

The ton of the total movement of articles on all the canals, etc.—(Concluded)

YEAR	Product of the forest	Agriculture	Manufactures	Merchandise	Other articles	Total tons
1886.....	1,523,496	1,537,331	165,760	397,249	1,670,146	5,293,982
1887.....	1,529,809	1,590,509	212,216	378,734	1,842,537	5,553,805
1888.....	1,389,728	1,177,587	153,905	206,437	2,015,291	4,942,948
1889.....	1,567,311	1,330,231	161,074	262,818	2,048,935	5,370,469
1890.....	1,397,862	1,201,916	139,310	769,672	1,737,342	5,246,102
1891.....	1,206,986	1,171,192	109,387	250,083	1,825,824	4,563,472
1892.....	1,249,381	1,038,851	125,781	292,468	1,575,514	4,281,995
1893.....	1,030,604	1,544,146	66,892	216,013	1,474,308	4,331,963
1894.....	872,601	1,412,142	87,241	352,741	1,167,835	3,882,560
1895.....	974,870	644,009	133,911	251,537	1,495,987	3,500,314
1896.....	852,467	1,136,665	152,322	270,603	1,302,837	3,714,894
1897.....	896,971	789,783	152,388	250,872	1,527,790	3,617,804
1898.....	820,668	707,855	175,632	220,107	1,435,801	3,360,063
1899.....	838,449	620,908	159,413	260,063	1,807,218	3,686,051
1900.....	726,984	511,518	142,784	250,436	1,714,219	3,345,941
1901.....	939,191	558,135	129,857	230,615	1,662,815	3,420,613
1902.....	805,067	572,676	131,755	207,972	1,557,140	3,274,610
1903.....	690,161	595,047	130,406	241,564	1,956,207	3,615,385
1904.....	738,793	427,969	129,665	200,472	1,641,648	3,138,547
1905.....	851,098	436,979	132,438	172,665	1,633,716	3,226,896
1906.....	854,610	648,715	170,584	202,285	1,664,713	3,540,907
1907.....	747,736	606,159	96,916	169,258	1,787,845	3,407,914

1908.....	565,443	449,846	106,371	166,061	1,764,156	3,051,877
1909.....	647,739	447,217	163,871	194,273	1,663,436	3,116,536
1910.....	654,094	492,536	145,419	215,446	1,565,917	3,073,412
1911.....	656,500	355,301	137,463	166,419	1,781,385	3,097,068
1912.....	684,964	196,014	119,512	152,982	1,552,644	2,606,116
1913.....	517,761	256,652	90,799	135,080	1,601,743	2,602,035
1914.....	377,127	217,397	83,504	93,095	1,309,727	2,080,850
1915.....	366,618	218,300	107,058	138,549	1,027,589	1,858,114
1916.....	350,047	142,315	65,949	101,543	965,196	1,635,050
1917.....	378,781	45,519	27,658	84,687	760,580	1,297,225
1918.....	292,720	109,784	76,386	47,582	632,798	1,159,270
1919.....	194,807	184,899	203,307	15,229	640,602	1,238,844

The tonnage of the canals for the season of 1919 was composed of the following described classes of articles:

	Tons
Product of the forest.....	194,807
Products of agriculture.....	184,899
Products of manufacture.....	203,307
Products of the ground.....	591,106
Products of animals.....	786
Miscellaneous products	63,939
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Total tons	1,238,844
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Of this amount:

	Tons
Erie canal carried.....	842,164
Champlain canal carried.....	363,699
Black river canal carried.....	4,841
Cayuga and Seneca canal carried.....	12,252
Oswego canal carried.....	15,888
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Total tons	1,238,844
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EXPORTS OF flour, wheat and corn from New York, Baltimore, Philadelphia, Boston, New Orleans and Montreal
and the percentage of the exports from each port
(For statistics for previous years see earlier reports)

	Flour, barrels	Wheat, bushels	Corn, bushels	PERCENTAGE OF TOTAL EXPORTS AT PLACES NAMED		
				Flour	Wheat	Corn
New York	1909 2,991,063	1909 12,587,537	1909 4,149,506	36.38	25.97	18.00
Boston	461,332	870,339	2,029,923	5.61	1.80	8.80
Philadelphia	1,708,721	5,245,290	3,473,940	20.80	10.82	15.05
Baltimore	906,169	2,991,527	6,772,959	11.02	6.18	29.35
Montreal	1,602,904	25,004,491	424,183	19.49	51.58	1.85
New Orleans	550,858	1,773,641	6,225,837	6.70	3.65	26.95
Total	8,221,047	48,472,825	23,076,348	100	100	100
New York	1910 2,963,869	1910 2,449,860	1910 7,242,901	44.06	8.45	25.42
Boston	380,794	721,590	2,719,018	5.66	2.49	9.55
Philadelphia	995,687	2,758,039	804,305	14.80	9.51	2.82
Baltimore	738,974	2,768,320	7,767,084	10.99	9.53	27.26
Montreal	1,074,574	20,089,558	2,751,562	15.97	69.27	9.65
New Orleans	572,801	213,687	7,205,151	8.52	0.75	25.30
Total	6,726,699	29,001,054	28,490,021	100	100	100

Exports of flour, wheat and corn from New York, etc.—(Continued)

	Flour, barrels	Wheat, bushels	Corn, bushels	PERCENTAGE OF TOTAL EXPORTS AT PLACES NAMED		
				Flour	Wheat	Corn
New York	1911 3,587,628	1911 7,343,573	1911 12,634,740	44.06	20.55	26.92
Boston	389,252	1,432,599	6,306,561	4.78	4.01	13.43
Philadelphia	994,591	3,283,341	5,115,233	12.21	9.13	10.90
Baltimore	982,354	5,382,748	11,371,720	12.07	15.06	24.23
Montreal	1,509,583	17,718,723	5,720,427	18.54	49.55	12.21
New Orleans	679,156	602,417	5,793,673	8.34	1.70	12.31
Total	8,142,564	35,763,401	46,942,354	100	100	100
New York	1912 3,511,743	1912 16,720,248	1912 4,971,768	47.72	26.00	24.05
Boston	81,345	734,298	1,740,355	1.11	1.14	8.42
Philadelphia	843,169	5,106,567	739,610	11.46	7.93	3.58
Baltimore	739,942	3,187,788	9,773,768	10.06	4.96	47.30
Montreal	1,556,173	30,652,475	.....	21.14	47.65	.....
New Orleans	626,595	7,926,974	3,440,620	8.51	12.32	16.65
Total	7,358,967	64,328,350	20,666,121	100	100	100

New York	1913	1913	1913	1913	1913	1913	1913	1913	1913
Boston	4,023,661	25,602,631	5,930,564	44.00	25.64	17.36			
Philadelphia	238,229	5,678,052	4,083,959	2.61	5.69	11.93			
Baltimore	1,172,232	7,164,386	1,708,772	12.82	7.18	5.02			
Montreal	878,585	13,350,162	18,275,534	9.61	13.36	53.51			
New Orleans	1,760,653	33,706,089	50,820	19.25	33.75	0.16			
	1,071,074	14,355,235	4,108,630	11.71	14.38	12.02			
Total	9,144,434	99,856,555	34,153,279	100	100	100			
New York	1914	1914	1914	1914	1914	1914	1914	1914	1914
Boston	4,852,039	28,799,431	3,548,100	42.27	18.95	40.53			
Philadelphia	289,945	3,858,122	145,467	2.53	2.54	1.66			
Baltimore	1,060,613	11,194,626	309,332	9.25	7.36	3.53			
Montreal	916,243	15,058,021	2,998,890	7.95	9.95	34.25			
New Orleans	2,762,139	61,484,474	.....	24.07	40.45	.....		
	1,598,537	31,547,132	1,753,434	13.93	20.75	20.03			
Total	11,479,516	151,941,806	8,755,223	100	100	100			
New York	1915	1915	1915	1915	1915	1915	1915	1915	1915
Boston	7,120,089	50,771,732	9,369,568	55.92	30.84	27.86			
Philadelphia	484,154	3,920,062	673,962	3.80	2.39	2.04			
Baltimore	916,668	24,377,693	1,878,640	7.20	14.80	5.59			
Montreal	861,083	21,563,399	17,477,008	6.76	13.09	51.98			
New Orleans	1,136,828	34,025,083	166,734	8.93	20.67	0.47			
	2,213,846	29,970,584	4,055,437	17.39	18.21	12.06			
Total	12,732,668	164,628,553	33,621,349	100	100	100			

Exports of flour, wheat and corn from New York, etc.—(Concluded)

	Flour, barrels	Wheat, bushels	Corn, bushels	PERCENTAGE OF TOTAL EXPORTS AT PLACES NAMED		
				Flour	Wheat	Corn
New York	1916 4,543,731	1916 39,755,160	1916 6,262,866	33.55	25.90	15.41
Boston	243,370	2,826,697	2,284,117	1.78	1.84	5.62
Philadelphia	1,087,323	23,903,855	2,979,023	8.02	15.56	7.33
Baltimore	2,227,601	29,710,675	19,128,727	16.43	19.35	47.08
Montreal	3,338,040	34,602,005	4,879,654	24.63	22.53	12.01
New Orleans	2,114,068	22,785,121	5,100,415	15.59	14.82	12.55
Total	13,554,133	153,583,513	40,634,802	100	100	100
New York	1917 3,948,010	1917 28,053,452	1917 12,474,570	27.28	22.97	32.02
Boston	408,121	750,130	1,157,120	2.82	0.61	2.96
Philadelphia	1,065,498	21,486,805	2,845,013	7.36	17.60	7.31
Baltimore	2,031,178	19,536,867	15,474,758	14.04	16.00	39.73
Montreal	4,195,667	35,313,814	1,908,114	29.00	28.92	4.90
New Orleans	2,821,224	16,961,976	5,094,397	19.50	13.90	13.08
Total	14,469,698	122,102,044	38,953,972	100	100	100

New York	1918	1918	1918	1918	1918	1918
Boston	6,105,619	19,289,688	6,841,565	31.72	21.56	35.57
Philadelphia	1,445,107	4,642,029	327,304	7.50	5.19	1.71
Baltimore	1,603,892	16,752,320	1,239,749	8.33	18.70	6.42
Montreal	2,007,333	17,258,200	1,414,328	10.43	19.26	7.36
New Orleans	5,299,487	22,081,804	.....	27.52	24.67	0.00
	2,789,336	9,401,837	9,415,384	14.50	10.62	48.94
Total	19,250,774	89,425,878	19,238,330	100	100	100
New York	1919	1919	1919			
Boston	7,799,401	39,131,660	1,196,399	34.95	25.90	29.83
Philadelphia	940,400	9,351,179	1,761	4.21	6.19	0.04
Baltimore	2,997,692	31,517,322	483,649	13.43	20.86	12.06
Montreal	2,546,884	25,501,321	810,699	11.41	16.88	20.22
New Orleans	5,515,534	32,802,977	285,212	24.70	21.71	7.11
	2,521,423	12,785,563	1,233,081	11.30	8.46	30.74
Total	22,321,334	151,090,022	4,010,801	100	100	100

STATEMENT of the tons of property moved on each and all the canals, comprising the tons of total movement

YEAR	Erie	Champlain	Oswego	Cayuga and Seneca	Chemung	Crooked Lake
1837.....	667,151	261,659	161,353	20,274	20,288	24,258
1838.....	744,848	266,553	222,697	23,541	30,256	30,336
1839.....	845,007	263,552	221,300	26,300	36,089	26,823
1840.....	829,960	245,229	219,627	32,486	34,217	24,026
1841.....	906,442	276,418	135,689	34,634	63,042	33,030
1842.....	712,310	230,844	129,498	31,716	54,866	18,660
1843.....	819,216	262,212	240,571	25,998	66,247	31,856
1844.....	945,944	269,546	326,607	31,099	88,231	32,589
1845.....	1,038,700	266,922	340,481	46,464	114,740	39,489
1846.....	1,264,408	280,480	351,511	61,014	124,768	35,556
1847.....	1,661,575	313,124	441,096	58,204	189,165	36,318
1848.....	1,599,965	293,889	490,147	46,252	150,691	34,155
1849.....	1,622,444	321,345	557,637	40,440	135,867	36,317
1850.....	1,635,089	460,219	583,346	42,379	128,263	38,797
1851.....	1,955,265	513,793	676,321	37,084	159,563	29,399
1852.....	2,159,334	531,001	684,191	47,275	187,577	35,757
1853.....	2,198,308	608,354	761,276	58,793	249,980	53,985
1854.....	2,224,008	602,913	611,533	72,995	270,978	25,349
1855.....	2,202,463	537,108	654,399	76,744	223,271	25,850
1856.....	2,107,678	611,610	657,381	131,907	245,621	28,559
1857.....	1,566,624	547,236	605,218	120,435	187,201	16,571
1858.....	1,767,004	608,918	688,960	75,968	205,168	16,318
1859.....	1,753,954	751,046	612,390	80,602	256,323	17,933

1860.....	2,253,533	681,157	1,080,076	98,678	226,051	14,723
1861.....	2,500,782	545,930	852,920	100,992	208,792	12,329
1862.....	3,204,277	647,318	1,063,413	125,659	243,628	19,632
1863.....	2,955,302	878,920	992,173	119,704	307,151	11,230
1864.....	2,535,792	846,790	765,079	185,161	280,834	6,316
1865.....	2,523,490	815,311	825,649	192,312	164,796	9,376
1866.....	2,896,027	1,001,493	990,809	368,223	226,510	12,189
1867.....	2,920,578	1,047,440	940,136	389,704	145,627	6,558
1868.....	3,346,986	1,120,585	958,444	515,295	165,875	4,451
1869.....	2,845,072	1,059,339	934,638	533,516	245,761	7,541
1870.....	3,083,132	1,143,719	917,728	527,728	206,535	15,825
1871.....	3,580,922	1,099,995	941,858	445,186	173,281	12,024
1872.....	3,562,560	1,449,528	832,490	386,977	217,263	7,145
1873.....	3,602,535	1,195,390	655,588	437,382	257,962	12,831
1874.....	3,097,122	1,268,292	665,408	378,825	205,602	9,286
1875.....	2,787,226	1,077,746	486,530	224,492	129,425	.....
1876.....	2,418,422	910,151	370,330	137,264	214,448	.....
1877.....	3,254,367	1,021,782	319,327	247,864	12,026	.....
1878.....	3,608,634	1,040,912	257,254	168,201	8,767	.....
1879.....	3,820,027	1,012,005	333,713	117,027	.....	.....
1880.....	4,608,651	1,200,503	427,863	125,331	.....	.....
1881.....	3,598,721	986,079	394,542	99,617	.....	.....
1882.....	3,694,364	1,097,343	445,295	123,448	.....	.....
1883.....	3,587,102	1,366,358	276,350	134,631	.....	.....
1884.....	3,389,555	1,118,073	260,541	119,990	.....	.....
1885.....	3,208,207	1,139,402	213,070	64,125	.....	.....
1886.....	3,808,642	1,119,663	186,484	64,995	.....	.....
1887.....	3,840,513	1,229,335	176,177	195,933	.....	.....
1888.....	3,321,516	1,198,305	134,078	201,237	.....	.....

Statement of the tons of property moved on each and all the canals, etc.—(Continued)

YEAR	Erie	Champlain	Oswego	Cayuga and Seneca	Chemung	Crooked Lake
1889.....	3,673,554	1,187,038	170,078	196,138	.....	.....
1890.....	3,303,929	1,520,757	225,936	63,419	.....	.....
1891.....	3,097,853	1,101,126	161,426	80,954	.....	.....
1892.....	2,978,832	1,021,139	90,886	75,669	.....	.....
1893.....	3,235,726	848,965	92,634	38,761	.....	.....
1894.....	3,144,144	550,279	98,843	33,270	.....	.....
1895.....	2,356,084	966,335	64,154	49,050	.....	.....
1896.....	2,742,438	802,519	57,245	54,739	.....	.....
1897.....	2,584,906	797,637	53,537	110,277	.....	.....
1898.....	2,338,020	804,076	47,662	100,342	.....	.....
1899.....	2,419,084	1,043,315	49,373	113,476	.....	.....
1900.....	2,145,876	972,867	31,742	130,126	.....	.....
1901.....	2,257,035	885,641	43,210	166,258	.....	.....
1902.....	2,105,876	766,615	143,707	155,152	.....	.....
1903.....	2,414,018	801,649	184,434	116,918	.....	.....
1904.....	1,945,708	796,468	170,342	140,656	.....	.....
1905.....	1,999,824	833,550	178,777	123,927	.....	.....
1906.....	2,385,491	740,983	172,228	164,874	.....	.....
1907.....	2,415,548	678,506	143,277	112,570	.....	.....
1908.....	2,177,443	614,762	92,831	81,029	.....	.....
1909.....	2,031,307	732,125	121,717	84,957	.....	.....
1910.....	2,023,185	684,027	110,079	80,125	.....	.....
1911.....	2,031,735	770,668	113,891	98,854	.....	.....

1912.....	1,795,069	590,723	83,580	80,753	.....	.....
1913.....	1,788,453	554,892	61,554	149,874	.....	.....
1914.....	1,361,764	492,014	55,705	128,698	.....	.....
1915.....	1,155,235	503,030	142,312	26,384	.....	.....
1916.....	917,689	506,528	135,948	44,421	.....	.....
1917.....	675,083	515,754	74,042	17,525	.....	.....
1918.....	667,374	434,784	44,661	7,509	.....	.....
1919.....	842,164	363,699	15,888	12,252	.....	.....

Statement of the tons of property moved on each and all the canals, etc.—(Continued)

YEAR	Chenango	Genesee Valley	Black River	Oneida Lake	Baldwinsville	Total
1837.....	8,213	.....	.....	.....	.....	1,171,296
1838.....	14,778	.....	.....	.....	.....	1,333,011
1839.....	16,928	.....	.....	.....	.....	1,435,713
1840.....	16,848	13,653	.....	.....	.....	1,416,046
1841.....	23,365	26,892	.....	22,150	.....	1,521,681
1842.....	17,177	41,860	.....	.....	.....	1,236,931
1843.....	19,026	48,313	.....	26,445	.....	1,513,439
1844.....	31,472	65,077	.....	25,991	.....	1,816,586
1845.....	38,305	73,546	.....	28,808	.....	1,977,565
1846.....	41,112	87,614	.....	22,188	.....	2,268,662
1847.....	44,051	95,632	.....	30,642	.....	2,849,810
1848.....	35,207	98,467	.....	47,451	.....	2,796,230
1849.....	36,557	84,674	.....	59,451	.....	2,794,732
1850.....	41,892	89,804	.....	65,828	.....	3,076,617
1851.....	40,307	100,000	26,320	45,049	.....	3,582,733
1852.....	44,939	122,901	36,597	43,969	.....	3,863,441
1853.....	76,538	157,164	41,924	43,351	.....	4,247,853
1854.....	77,124	158,942	55,525	34,532	31,945	4,165,862
1855.....	89,390	102,321	51,347	27,116	32,608	4,022,617
1856.....	105,502	113,731	68,126	18,485	27,481	4,116,082
1857.....	96,722	114,576	69,135	19,343	.....	3,344,061
1858.....	72,526	118,303	62,353	19,675	.....	3,665,192
1859.....	89,691	124,263	75,946	19,536	.....	3,981,648

1860.	83,635	123,602	70,687	18,672	.....	4,650,214
1861.	91,661	94,329	69,930	30,060	.....	4,707,635
1862.	79,442	129,974	85,442	.....	.....	5,698,785
1863.	90,215	112,549	90,448	.....	.....	5,557,692
1864.	89,021	71,411	72,519	.....	.....	4,852,941
1865.	68,822	56,581	73,317	.....	.....	4,729,654
1866.	107,472	86,579	85,908	.....	.....	5,775,220
1867.	103,064	64,679	70,539	.....	.....	5,688,325
1868.	112,455	138,364	79,770	.....	.....	6,442,225
1869.	83,527	69,141	80,550	.....	.....	5,859,080
1870.	102,820	79,733	96,329	.....	.....	6,173,769
1871.	39,793	85,269	89,560	.....	.....	6,467,888
1872.	26,519	96,113	94,776	.....	.....	6,673,370
1873.	30,317	86,770	86,017	.....	.....	6,364,782
1874.	33,059	69,393	77,601	.....	.....	5,804,588
1875.	23,769	64,677	65,993	.....	.....	4,859,858
1876.	6,227	47,360	67,927	.....	.....	4,172,129
1877.	.....	37,311	63,286	.....	.....	4,955,963
1878.	.....	18,569	68,983	.....	.....	5,171,320
1879.	.....	.....	79,600	.....	.....	5,362,372
1880.	.....	.....	75,308	.....	.....	6,457,656
1881.	.....	.....	100,233	.....	.....	5,179,192
1882.	.....	.....	106,933	.....	.....	5,467,423
1883.	.....	.....	128,656	.....	.....	5,664,056
1884.	.....	.....	116,359	.....	.....	5,009,488
1885.	.....	.....	106,971	.....	.....	4,731,784
1886.	.....	.....	114,198	.....	.....	5,293,982
1887.	.....	.....	111,847	.....	.....	5,553,805
1888.	.....	.....	118,213	.....	.....	4,942,948

Statement of the tons of property moved on each and all the canals, etc.—(Concluded)

YEAR	Chenango	Genesee Valley	Black River	Oneida Lake	Baldwinsville	Total
1889.....	143,561	.....	.....	5,370,369
1890.....	132,061	.....	.....	5,246,102
1891.....	122,111	.....	.....	4,563,472
1892.....	115,469	.....	.....	4,231,995
1893.....	115,877	.....	.....	4,331,963
1894.....	56,024	.....	.....	3,882,560
1895.....	64,691	.....	.....	3,500,314
1896.....	57,953	.....	.....	3,714,894
1897.....	71,447	.....	.....	3,617,894
1898.....	69,963	.....	.....	3,360,083
1899.....	69,803	.....	.....	3,686,051
1900.....	65,330	.....	.....	3,345,941
1901.....	68,469	.....	.....	3,420,613
1902.....	103,260	.....	.....	3,274,610
1903.....	98,366	.....	.....	3,615,385
1904.....	85,373	.....	.....	3,138,547
1905.....	90,818	.....	.....	3,226,896
1906.....	77,331	.....	.....	3,540,907
1907.....	58,013	.....	.....	3,407,914
1908.....	85,812	.....	.....	3,051,877
1909.....	146,430	.....	.....	3,116,536
1910.....	175,996	.....	.....	3,073,412
1911.....	81,920	.....	.....	3,097,068

STATEMENT of total movement of flour, meal and grain on all the canals from 1861 to 1919, both inclusive

YEAR	Barrels wheat flour	Barrels corn meal	Bushels wheat	Bushels corn	Bushels oats
1861	1,667,416	2,176	33,171,900	25,024,643	6,105,313
1862	2,102,574	18,416	37,579,967	27,225,643	6,550,187
1863	1,930,731	44,704	26,577,166	22,087,056	16,040,937
1864	1,474,582	51,305	19,932,067	11,086,536	15,122,937
1865	1,271,129	24,018	14,433,566	20,689,500	11,973,939
1866	751,870	27,972	10,989,800	28,904,143	12,138,250
1867	569,234	12,808	13,630,300	17,930,500	10,476,000
1868	575,900	14,861	14,425,567	18,437,100	11,927,250
1869	657,807	12,666	22,351,133	9,159,643	5,769,312
1870	509,055	22,250	21,950,800	6,893,893	7,371,312
1871	381,583	6,611	23,951,633	24,002,033	8,118,187
1872	190,129	6,046	13,463,433	32,241,179	5,809,938
1873	181,731	9,342	26,768,800	22,760,571	4,376,437
1874	269,759	8,314	25,738,766	18,542,964	3,713,000
1875	163,287	3,000	24,809,766	10,072,536	3,919,813
1876	86,019	2,232	13,879,200	13,044,786	3,259,188
1877	82,621	3,120	14,934,766	25,837,786	4,127,812
1878	54,666	5,666	28,151,866	26,249,750	5,314,313
1879	66,333	8,130	31,648,866	22,185,000	1,447,750
1880	76,537	12,620	32,201,733	41,307,821	1,305,812
1881	84,129	13,370	14,827,733	16,993,679	1,895,063
1882	86,777	17,370	21,407,196	8,988,821	1,386,250
1883	83,768	1,777	19,124,666	18,677,785	3,225,438

1884	67,138	343	26,346,966	7,079,143	3,293,500
1885	63,602	703	18,864,066	12,866,500	514,625
1886	83,296	5,435	33,270,966	12,670,178	454,875
1887	37,861	65	31,228,000	15,950,607	2,210,312
1888	30,463	2,629	19,373,366	17,846,464	4,445,562
1889	40,555	1,713	16,137,900	21,162,536	3,980,000
1890	32,046	10,740	11,789,700	21,998,000	2,961,437
1891	28,900	.....	25,203,366	5,076,464	1,022,625
1892	45,176	38,000	20,690,933	5,366,750	4,527,750
1893	22,574	1,222	36,446,600	8,912,965	1,498,375
1894	27,047	978	30,116,266	9,942,035	6,302,937
1895	20,333	74	3,345,500	3,495,857	5,892,437
1896	73,741	3,639	13,629,033	3,641,821	12,357,187
1897	29,685	1,481	6,001,166	11,170,572	3,146,562
1898	17,166	435	2,332,866	13,008,857	4,765,250
1899	11,546	287	9,414,066	3,309,643	5,858,312
1900	10,866	818	4,610,083	6,751,670	2,277,258
1901	6,926	331	7,165,140	3,121,192	5,533,000
1902	12,302	1,085	9,731,281	1,178,650	2,792,447
1903	9,954	602	4,794,400	6,833,964	3,895,375
1904	12,009	990	3,375,334	2,442,178	5,176,500
1905	2,130	870	3,669,500	936,536	5,902,312
1906	2,778	92	6,355,434	4,800,464	6,545,375
1907	1,657	74	8,392,567	3,200,821	4,000,062
1908	157	.....	6,122,200	2,525,036	3,813,190
1909	805	.....	6,395,134	2,837,821	4,972,687
1910	129	.....	5,974,967	4,399,607	5,275,500
1911	269	.....	4,792,500	2,535,857	3,888,500

Statement of total movement of flour, meal and grain on all the canals, etc. — (Continued)

YEAR	Barrels wheat flour	Barrels corn meal	Bushels wheat	Bushels corn	Bushels oats
1912 . . . . .	.....	.....	2,612,767	189,714	2,287,187
1913	1,595	.....	2,942,634	858,856	3,356,952
1914 . . . . .	.....	.....	3,096,167	108,300	4,050,795
1915 . . . . .	.....	.....	3,159,267	139,536	2,619,562
1916 . . . . .	.....	.....	2,221,300	.....	1,141,062
1917 . . . . .	.....	.....	547,400	.....	.....
1918	212,186	.....	1,940,669	.....	25,000
1919	41,426	.....	534,267	36,000	3,285,000

Statement of total movement of flour, meal and grain on all the canals, etc. — (Continued)

	Busbels barley	Busbels rye	Busbels peas and beans	Busbels malt	Aggregate in tons
1861	2,444,083	976,000	347,233	.....	2,070,251
1862	2,764,916	967,750	375,433	280,182	2,332,928
1863	3,816,458	592,571	530,700	366,242	2,021,505
1864	3,232,292	670,168	550,000	565,294	1,437,598
1865	5,336,416	1,220,714	401,533	725,151	1,530,037
1866	7,867,041	1,751,928	536,667	298,212	1,680,169
1867	4,972,250	1,044,643	827,133	489,818	1,322,774
1868	3,698,083	783,357	391,667	257,029	1,350,090
1869	4,125,500	481,750	379,233	330,400	1,212,397
1870	5,132,958	697,143	226,123	698,686	1,189,267
1871	4,749,662	1,234,392	162,700	801,371	1,759,882
1872	5,002,543	477,036	146,600	1,578,914	1,586,249
1873	2,941,083	1,077,143	393,300	1,182,466	1,660,981
1874	4,110,584	293,393	200,567	453,200	1,500,490
1875	4,353,125	296,750	195,200	71,287	1,238,115
1876	4,020,584	712,464	174,200	1,510,629	991,197
1877	5,810,542	1,233,857	162,533	718,800	1,439,665
1878	3,730,583	2,307,607	167,100	1,031,000	1,846,742
1879	4,006,000	2,114,643	124,466	582,706	1,770,846
1880	4,426,958	940,714	149,369	820,824	2,304,219
1881	3,399,458	553,000	101,334	887,526	1,074,545
1882	4,027,083	1,549,000	206,834	846,824	1,087,953
1883	2,449,291	3,401,643	43,666	952,706	1,329,099

Statement of total movement of flour, meal and grain on all the canals, etc. — (Concluded)

	Bushels barley	Bushels rye	Bushels peas and beans	Bushels malt	Aggregate in tons
1884	2,708,666	2,552,214	185,735	707,235	1,198,346
1885	2,691,135	364,678	70,000	604,706	1,028,260
1886	2,619,916	108,750	151,366	901,941	1,446,973
1887	3,144,083	239,892	14,133	781,588	1,498,304
1888	873,208	438,143	64,000	940,176	1,116,733
1889	2,754,541	1,289,357	694,333	1,640,588	1,277,118
1890	3,268,321	800,500	66,833	1,201,058	1,158,029
1891	2,995,958	2,456,107	87,996	662,325	1,072,375
1892	2,149,833	151,285	20,633	816,650	992,798
1893	2,207,250	232,785	42,933	309,118	1,435,540
1894	3,720,625	18,946	33,366	388,058	1,388,859
1895	3,255,458	7,322	15,766	166,000	583,754
1896	4,581,917	2,757,500	12,500	682,764	916,072
1897	4,180,708	2,370,964	10,733	1,037,941	731,213
1898	3,746,083	276,607	4,100	1,565,941	366,774
1899	3,276,125	211,821	800	473,823	562,740
1900	2,633,480	374,224	154	533,636	447,768
1901	2,311,597	368,796	1,334	471,050	465,426
1902	3,138,100	660,817	335	645,600	475,863
1903	2,993,208	429,536	1,767	731,706	495,005
1904	3,692,750	84,321	34	125,559	346,991
1905	4,035,292	132,750	567	362,648	337,815
1906	5,020,708	142,571	5,900	418,706	561,896

1907	3,837,583	76,950	267	817,706	513,754
1908	2,000,292	75,428	25,500	708,176	378,318
1909	2,103,166	217,893	23,700	698,471	420,125
1910	1,851,625	85,000	900	869,118	448,481
1911	835,708	89,892	9,734	858,000	314,476
1912	1,262,667	.....	51,100	760,176	165,050
1913	1,647,292	51,875	2,700	698,176	219,146
1914	1,087,607	75,575	.....	1,392,270	212,617
1915	1,186,250	16,500	67	1,325,117	192,059
1916	1,173,917	.....	.....	1,220,470	133,819
1917	571,385	.....	.....	224,370	33,949
1918	69,926	.....	.....	.....	81,092
1919	629,167	1,976,571	.....	.....	144,514

STATEMENT of foreign exports of flour and grain from New York from 1861 to 1919

YEAR	Barrels wheat flour	Barrels rye flour	Barrels corn meal	Bushels wheat	Bushels corn	Bushels oats
1861.....	3,110,646	11,807	108,385	28,889,914	12,456,265	160,875
1862.....	2,961,518	8,397	132,606	25,564,755	12,020,848	210,669
1863.....	2,527,338	5,461	140,561	15,424,889	7,533,431	125,566
1864.....	1,918,393	2,840	105,142	12,193,433	846,831	42,135
1865.....	1,402,144	2,673	127,600	2,527,626	2,549,670	94,567
1866.....	900,084	7,552	149,773	522,669	11,079,394	1,190,583
1867.....	871,089	11,754	151,669	4,468,774	8,147,813	144,665
1868.....	1,003,968	7,459	191,011	5,762,037	5,989,225	94,707
1869.....	1,584,211	5,283	137,627	18,240,586	1,637,586	49,393
1870.....	1,950,234	.....	.....	18,446,035	487,792	28,986
1871.....	1,660,400	4,200	123,500	21,968,600	13,040,600	47,300
1872.....	1,216,082	6,399	194,040	13,144,400	25,292,200	31,739
1873.....	1,655,331	8,249	176,756	27,801,800	15,587,500	49,700
1874.....	1,177,608	8,473	168,603	34,791,249	19,000,995	122,528
1875.....	1,954,100	5,700	173,400	26,192,700	12,938,700	138,800
1876.....	1,887,441	5,778	172,042	24,144,033	16,610,232	620,536
1877.....	1,537,106	7,799	220,939	21,355,774	25,373,942	257,634
1878.....	2,630,437	4,375	202,788	55,019,389	27,440,771	3,658,905
1879.....	3,684,366	6,049	150,178	61,538,861	35,319,789	521,406
1880.....	4,215,415	5,205	230,716	61,908,029	49,875,430	427,959
1881.....	4,440,114	3,264	196,985	41,788,182	31,731,995	431,426
1882.....	4,623,965	.....	112,316	37,620,153	9,012,373	170,586
1883.....	4,330,146	.....	.....	20,049,200	22,222,754	162,665

1884.....	3,907,021	.....	530	28,687,362	11,862,158	2,456,219
1885.....	3,763,029	.....	152,488	16,286,800	26,259,228	6,198,302
1886, not reported.....	.....	.....	.....	.....	.....	.....
1887, to December 1.....	3,731,523	.....	105,735	40,893,437	11,920,425	142,938
1888, to December 1.....	3,476,991	.....	107,589	12,224,374	12,101,098	112,069
1889, to December 1.....	3,056,855	.....	135,006	9,627,444	27,380,443	885,257
1890.....	3,417,399	.....	136,432	12,549,946	24,550,165	9,301,046
1891.....	3,798,076	.....	160,533	46,514,096	12,819,911	3,205,466
1892.....	6,034,260	.....	163,765	45,259,966	18,293,353	2,650,639
1893.....	6,032,903	114	159,149	38,017,932	12,802,039	5,177,007
1894, to December 1.....	5,814,657	.....	178,346	21,612,790	10,329,787	219,844
1895, to December 1.....	4,009,157	.....	144,631	18,348,193	17,891,140	1,302,900
1896, to December 1.....	4,264,302	.....	140,449	16,864,330	16,845,658	14,794,568
1897.....	4,699,767	.....	272,975	25,085,896	33,206,509	34,714,008
1898.....	4,738,214	.....	366,663	49,909,158	39,632,273	23,765,046
1899.....	4,741,035	.....	407,691	26,830,386	40,429,477	12,943,153
1900.....	4,487,306	.....	444,943	18,259,428	43,532,024	8,819,441
1901.....	4,092,711	.....	317,920	27,140,388	23,831,380	8,457,228
1902.....	4,149,129	.....	187,004	19,955,526	3,052,715	1,803,663
1903.....	4,281,084	.....	439,174	9,435,934	22,063,881	669,423
1904.....	2,672,766	.....	250,204	425,874	9,433,283	269,670
1905.....	2,550,938	.....	277,154	3,666,201	27,283,344	6,489,616
1906.....	3,038,838	.....	205,203	14,913,686	20,779,730	5,218,147
1907.....	3,045,125	.....	197,047	22,769,338	21,253,050	280,751
1908.....	3,410,944	.....	173,934	20,578,026	4,686,576	145,341
1909.....	2,991,063	.....	136,187	12,587,537	4,149,506	305,355
1910.....	2,963,869	.....	197,692	2,449,860	7,242,901	283,675
1911.....	3,587,628	.....	201,030	7,343,573	12,634,740	464,810
1912.....	3,511,743	.....	226,871	16,720,248	4,971,768	4,492,601

Statement of foreign exports of flour and grain from New York from 1861 to 1919—(Continued)

	Barrels wheat flour	Barrels rye flour	Barrels corn meal	Bushels wheat	Bushels corn	Bushels oats
1913.....	4,023,661	.....	214,970	25,602,631	5,930,564	849,160
1914.....	4,852,039	.....	165,942	28,799,431	3,548,100	6,868,001
1915.....	7,120,089	.....	266,894	50,771,732	9,369,568	15,714,238
1916.....	4,543,731	.....	217,289	39,755,160	6,262,866	8,412,399
1917.....	3,948,010	.....	519,169	28,053,452	12,474,570	17,842,006
1918.....	6,105,619	.....	579,942	19,289,688	6,841,565	18,820,923
1919.....	7,799,401	.....	599,367	39,131,660	1,196,399	26,641,971

Statement of foreign exports of flour and grain from New York from 1861 to 1919—(Continued)

YEAR	Bushels barley	Bushels rye	Bushels peas and beans	Bushels malt	Aggregate in tons
1861	3,927	1,000,405	139,284	.....	1,599,261
1862	42,061	1,104,549	113,819	.....	1,477,221
1863	52,439	416,369	110,911	.....	980,675
1864	150	588	186,154	.....	614,642
1865	.....	198,348	88,899	.....	322,451
1866	1,329,842	248,646	282,992	.....	506,520
1867	886,893	473,260	680,763	.....	531,204
1868	90	152,993	189,226	.....	481,902
1869	.....	142,524	123,156	.....	788,075
1870	.....	92,431	151,102	.....	785,249
1871	98,700	525,800	90,900	.....	1,238,053
1872	22,066	668,030	156,609	.....	1,378,412
1873	19,400	1,069,100	143,500	.....	1,504,771
1874	3,560	641,661	463,193	.....	1,863,297
1875	1,500	206,900	364,900	.....	1,405,544
1876	88,097	1,336,283	716,428	.....	1,483,402
1877	2,412,509	2,049,796	487,031	.....	1,675,902
1878	1,518,922	4,048,841	476,184	.....	2,949,042
1879	147,867	3,941,638	393,153	.....	3,383,953
1880	254,833	2,181,183	654,669	.....	3,825,168
1881	15,477	1,068,928	218,370	.....	2,687,356
1882	6,616	1,980,586	572,567	.....	1,967,989
1883	8,939	4,467,853	.....	.....	1,819,284

Statement of foreign exports of flour and grain from New York from 1861 to 1919—(Concluded)

	Bushels barley	Bushels rye	Bushels peas and beans	Bushels malt	Aggregate in tons
1884	76,343	4,846,088	770,729	.....	1,413,686
1885	408	493,319	.....	.....	1,759,840
1886, not reported.	.....	.....	.....	.....	.....
1887, to December 1	46,189	356,817	185,877	.....	2,193,962
1888, to December 1	48	6,237	182,511	.....	1,098,641
1889, to December 1	226	809,405	244,246	.....	1,440,719
1890	275,313	1,351,726	371,814	.....	1,652,144
1891	1,869,569	4,448,675	668,069	.....	2,421,816
1892	235,206	3,254,849	663,927	.....	2,698,507
1893	257,744	439,459	473,796	.....	2,282,685
1894, to December 1	300	208	.....	.....	1,581,391
1895, to December 1	42,743	246	.....	.....	1,521,886
1896, to December 1	6,162,012	3,208,448	.....	.....	2,027,759
1897	8,916,452	5,797,517	.....	.....	3,151,164
1898	2,451,271	8,307,944	1,151,811	.....	3,864,551
1899	7,619,862	2,745,970	.....	.....	2,960,070
1900	4,833,493	1,479,380	.....	.....	3,597,900
1901	233,907	1,050,006	.....	.....	2,128,169
1902	341,072	2,316,417	327,502	.....	1,264,173
1903	308,616	1,310,550	321,243	.....	1,475,104
1904	2,066,155	143	301,340	.....	655,536
1905	5,304,708	271,010	288,734	.....	1,426,751
1906	4,310,610	472,489	207,783	.....	1,586,006

1907	133,580	1,128,070	137,588	1,651,730
1908	141,591	1,227,843	277,540	1,182,657
1909	238,567	187,496	104,593	850,554
1910	16,984	16,765	.....	621,218
1911	156	95	.....	990,700
1912	2,151,846	172,876	.....	1,179,854
1913	2,682,925	671,521	230,040	1,494,222
1914	1,444,163	1,824,835	184,585	1,700,915
1915	4,747,226	1,783,253	.....	2,998,587
1916	9,580,856	578,870	.....	2,262,950
1917	5,793,616	2,848,231	.....	2,177,680
1918	6,461,366	4,330,386	.....	2,002,897
1919	8,334,279	12,425,503	.....	3,021,533

TOTAL GRAIN *received at Buffalo each year since 1836, and total grain, including flour, received each year*

YEAR	Grain, bushels	Grain, including flour, bushels
1836	543,461	1,239,351
1837	550,560	1,184,685
1838	974,751	2,302,887
1839	1,117,262	2,302,851
1840	1,075,885	4,061,598
1841	1,852,325	5,692,525
1842	2,015,928	5,687,468
1843	22,055,025	6,642,610
1844	2,335,568	6,910,719
1845	1,848,040	5,581,790
1846	6,491,522	13,366,167
1847	8,688,187	19,153,187
1848	7,396,012	14,641,018
1849	8,628,013	14,665,189
1850	6,618,004	12,059,551
1851	11,449,661	17,740,784
1852	13,592,937	20,390,500
1853	11,078,741	15,956,525
1854	18,553,455	22,252,288
1855	10,788,473	24,472,277
1856	20,123,667	25,753,965
1857	15,348,930	19,578,690
1858	20,202,444	26,812,982
1859	14,429,069	21,530,722
1860	31,441,440	37,073,115
1861	50,062,646	61,460,601
1862	58,642,344	72,872,454
1863	49,845,065	64,735,510
1864	41,044,498	51,177,146
1865	42,473,223	51,415,188
1866	51,820,342	57,388,087
1867	43,499,780	59,700,060
1868	42,436,201	49,949,856
1869	37,014,728	45,007,163
1870	39,261,141	46,013,096
1871	60,765,457	67,155,742
1872	58,447,822	62,260,232
1873	76,340,570	73,636,595
1874	81,562,627	70,030,552
1875	65,194,716	74,246,726
1876	46,038,598	50,074,648
1877	61,734,071	66,199,291
1878	79,176,152	84,046,052

Total grain received at Buffalo each year, etc.—(Concluded)

YEAR	Grain, bushels	Grain, including flour, bushels
1879	74,379,829	78,865,354
1880	105,453,372	112,042,927
1881	56,806,545	62,062,895
1882	50,833,590	56,830,340
1883	65,722,080	76,079,930
1884	56,963,970	70,041,520
1885	49,740,060	64,260,460
1886	72,514,840	95,425,790
1887	84,730,910	104,737,710
1888	73,223,500	99,448,150
1889	90,869,880	118,273,430
1890	89,312,800	120,540,700
1891	128,993,020	164,459,720
1892	133,039,090	181,769,690
1893	135,909,920	188,730,370
1894	103,959,165	161,401,815
1895	118,027,930	162,936,630
1896	163,431,814	214,352,734
1897	185,443,816	242,140,306
1898	221,383,945	273,242,210
1899	153,393,184	194,293,112
1900	157,655,969	209,239,824
1901	132,641,828	187,909,664
1902	124,626,548	184,759,518
1903	140,348,822	196,653,957
1904	100,838,000	131,642,842
1905	126,465,729	177,496,229
1906	136,096,528	187,403,448
1907	132,438,798	181,237,178
1908	114,245,438	153,336,678
1909	113,415,385	152,896,845
1910	97,354,404	138,229,078
1911	117,421,376	157,295,756
1912	144,986,044	182,909,809
1913	172,138,722	219,542,377
1914	144,108,083	189,612,083
1915	212,221,872	254,367,502
1916	177,418,688	212,205,848
1917	147,026,646	172,136,346
1918	97,025,693	131,066,678
1919	94,472,127	120,250,902

The following statement shows the receipts of flour, wheat and corn at Buffalo by lake for eighty-four years

YEAR	Flour, barrels	Wheat, bushels	Corn, bushels
1836	139,178	304,990	204,355
1837	126,805	450,359	94,490
1838	277,620	933,117	34,148
1839	294,125	1,117,262	.....
1840	597,142	1,004,561	71,337
1841	730,040	1,635,000	201,031
1842	734,408	1,555,420	453,520
1843	917,517	1,827,241	223,966
1844	915,030	2,174,500	137,978
1845	746,750	1,770,740	54,200
1846	1,374,529	4,744,184	1,455,258
1847	1,857,000	6,489,100	2,862,800
1848	1,249,000	4,520,117	2,298,000
1849	1,207,435	4,943,978	3,321,651
1850	1,103,039	3,681,347	2,593,378
1851	1,258,224	4,167,121	5,988,775
1852	1,299,213	5,549,778	5,136,746
1853	975,557	5,420,043	8,065,793
1854	739,756	5,510,782	10,108,983
1855	937,761	8,022,126	9,711,430
1856	1,126,048	8,465,671	9,633,277
1857	845,953	8,334,179	5,713,611
1858	1,536,019	10,671,550	6,621,688
1859	1,420,383	9,234,652	3,113,653
1860	1,122,335	18,502,615	11,386,217
1861	2,159,591	27,105,219	21,024,657
1862	2,846,022	30,325,831	24,388,627
1863	2,978,088	21,240,348	20,086,912
1864	2,028,520	17,677,519	10,478,681
1865	1,788,393	13,437,888	19,840,901
1866	1,313,543	10,479,694	27,894,798
1867	1,440,056	11,879,685	17,873,638
1868	1,502,731	12,555,215	16,804,067
1869	1,598,487	19,228,546	11,549,403
1870	1,470,391	20,556,722	9,410,128
1871	1,278,077	22,606,217	26,110,769
1872	762,502	14,304,942	34,643,180
1873	1,259,205	30,618,372	28,550,828
1874	1,693,585	29,778,572	248,974,540
1875	1,810,402	32,987,656	22,593,891
1876	807,210	19,324,612	20,939,853
1877	693,044	23,284,405	33,362,866
1878	911,980	35,419,136	35,133,853

Receipts of flour, wheat and corn at Buffalo by lake—(Concluded)

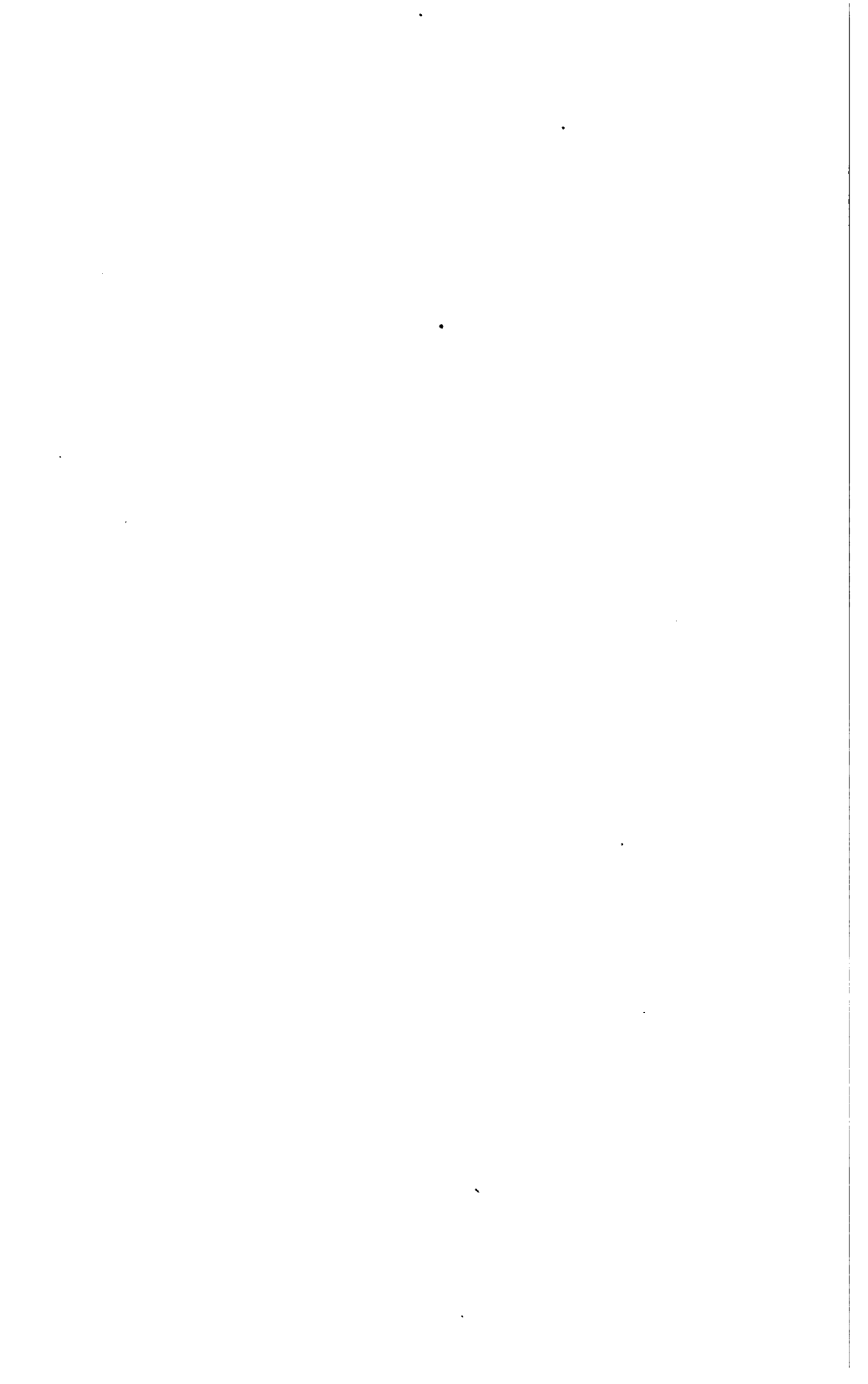
YEAR	Flour, barrels	Wheat, bushels	Corn, bushels
1879	897,105	37,788,501	32,990,993
1880	1,317,911	40,510,229	62,214,617
1881	1,051,250	18,495,320	34,434,830
1882	1,199,350	26,050,030	21,664,530
1883	2,071,570	24,105,420	34,775,040
1884	2,615,510	2,469,710	18,538,340
1885	2,993,280	27,130,400	21,028,230
1886	4,582,190	41,840,440	29,155,370
1887	4,001,360	48,111,180	30,199,490
1888	5,244,930	27,548,110	36,422,270
1889	5,480,710	26,051,600	47,127,150
1890	6,245,580	14,868,630	44,136,660
1891	7,093,340	76,945,960	29,616,390
1892	9,746,120	78,243,560	32,377,780
1893	10,562,090	68,243,750	40,539,796
1894	11,488,530	50,194,130	29,078,520
1895	8,971,740	46,484,510	38,244,960
1896	10,384,184	54,411,207	47,811,210
1897	11,339,298	50,584,719	55,553,741
1898	10,371,653	83,872,837	67,950,073
1899	8,810,097	48,232,016	53,503,404
1900	11,463,079	47,826,458	63,192,660
1901	11,053,439	61,294,248	30,539,848
1902	12,026,616	62,452,696	22,487,454
1903	11,243,027	40,455,328	43,364,979
1904	6,160,965	26,270,000	27,898,000
1905	10,201,100	40,436,616	32,745,046
1906	10,279,384	55,544,832	25,976,478
1907	9,759,676	66,658,138	28,477,767
1908	7,818,248	63,857,080	13,779,988
1909	7,899,292	61,084,797	16,027,578
1910	7,231,580	50,450,911	22,992,368
1911	7,054,640	67,495,523	30,384,745
1912	7,584,753	108,225,504	12,750,250
1913	9,481,131	114,129,472	18,960,144
1914	9,100,752	100,442,591	14,309,078
1915	8,429,126	116,670,198	17,281,413
1916	6,957,432	138,668,781	3,527,207
1917	5,021,940	94,924,407	1,495,247
1918	6,607,997	68,267,375	2,027,920
1919	5,155,755	56,395,093	50,000

The following statement shows the receipts of oats, barley and rye at Buffalo by lake for eighty-four years

YEAR	Oats, bushels	Barley, bushels	Rye, bushels
1836	28,640	4,876	1,500
1837	2,533	.....	3,260
1838	6,577	.....	909
1839	.....	.....	.....
1840	.....	.....	.....
1841	14,144	.....	2,150
1842	.....	4,710	1,268
1843	2,489	.....	1,332
1844	18,017	1,617	456
1845	23,300	.....	.....
1846	218,300	47,530	28,250
1847	446,000	.....	70,787
1848	560,000	.....	17,789
1849	362,384	.....	.....
1850	357,580	3,627	.....
1851	1,140,430	142,773	10,652
1852	2,596,231	497,913	112,251
1853	1,580,655	401,098	107,152
1854	4,401,739	313,757	177,066
1855	2,693,222	62,304	299,591
1856	1,733,382	46,327	245,810
1857	1,214,760	37,844	48,536
1858	2,275,231	308,374	125,214
1859	394,502	361,550	124,693
1860	1,209,594	262,158	80,822
1861	1,797,905	313,715	337,764
1862	2,624,982	428,124	791,564
1863	6,322,187	641,440	422,309
1864	11,682,637	465,097	633,726
1865	8,494,799	820,563	877,677
1866	10,227,472	1,606,384	1,245,485
1867	10,933,166	1,802,598	1,010,693
1868	11,492,472	637,124	947,323
1869	5,459,347	651,339	126,093
1870	6,846,983	1,821,154	626,154
1871	9,106,409	1,942,928	1,095,009
1872	6,050,045	3,088,925	301,809
1873	5,972,346	1,322,507	906,977
1874	5,396,781	1,154,948	167,301
1875	8,494,124	906,889	222,126
1876	2,397,257	2,615,081	761,795
1877	4,279,229	1,652,568	1,155,003
1878	5,122,972	1,375,184	2,135,007

Receipts of oats, barley and rye at Buffalo by lake—(Concluded)

YEAR	Oats, bushels	Barley, bushels	Rye, bushels
1879	1,101,974	600,740	1,884,802
1880	649,350	355,925	743,451
1881	3,565,737	282,510	22,210
1882	1,620,170	701,500	767,360
1883	3,226,900	583,800	2,830,830
1884	3,174,730	534,130	2,247,060
1885	767,580	577,230	309,370
1886	1,014,670	787,730	126,630
1887	4,656,280	1,459,420	304,540
1888	7,897,310	842,090	513,720
1889	4,309,800	1,474,570	1,906,760
1890	13,860,780	5,165,700	1,281,030
1891	12,454,150	4,373,120	5,603,400
1892	16,500,250	4,600,970	1,316,530
1893	20,700,150	5,791,460	644,590
1894	15,560,230	8,625,090	501,195
1895	21,943,680	10,253,440	787,340
1896	40,107,499	16,697,744	4,404,354
1897	59,815,210	12,858,741	6,631,405
1898	45,501,233	11,391,332	6,821,694
1899	26,423,358	15,008,426	2,084,643
1900	28,422,256	9,868,196	1,314,743
1901	21,438,545	7,687,239	1,256,284
1902	15,891,387	8,969,865	3,716,628
1903	30,976,088	10,681,655	3,416,983
1904	19,124,000	15,665,000	1,736,600
1905	25,733,094	14,618,495	688,450
1906	23,951,155	13,681,058	1,243,640
1907	11,272,858	11,264,101	1,313,154
1908	10,455,716	11,649,064	856,944
1909	13,110,014	12,765,503	655,684
1910	12,366,891	11,207,763	336,471
1911	9,501,000	9,349,412	690,692
1912	10,580,150	12,176,925	1,250,215
1913	20,517,487	17,455,376	1,075,242
1914	11,858,666	13,229,162	4,268,738
1915	10,969,616	13,512,782	3,787,863
1916	22,036,301	11,709,053	1,477,346
1917	30,283,190	10,271,245	3,458,503
1918	13,644,266	3,244,626	7,992,409
1919	14,207,877	9,986,137	12,988,760



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STATE OF NEW YORK

ANNUAL REPORT

OF THE

INDUSTRIAL COMMISSION

FOR THE TWELVE MONTHS ENDED JUNE 30,

1919

NEW YORK STATE DEPARTMENT OF LABOR



ALBANY
STATE DEPARTMENT OF LABOR
1920



ALBANY

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1920

ANNUAL REPORT OF THE INDUSTRIAL COMMISSION

STATE OF NEW YORK

DEPARTMENT OF LABOR

ALBANY, April 21, 1920

To the Legislature:

Pursuant to law, the annual report of the Industrial Commission for the year ended June 30, 1919, is herewith submitted.

Respectfully,

EDWARD F. BOYLE,

Chairman;

HENRY D. SAYER,

JAMES M. LYNCH,

FRANCES PERKINS,

CYRUS W. PHILLIPS,

Commissioners.

By the Commission:

E. W. BUCKLEY,

Secretary.

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PART I
REPORT OF COMMISSION

[7]



REPORT OF THE INDUSTRIAL COMMISSION

To the Legislature:

Section 46 of the Labor Law directs that the Industrial Commission shall report annually to the Legislature. It specifies that in connection with its annual report the Commission shall report upon the "operation of each Bureau in the Department." This one specific direction as to what shall be covered by the report of the Commission is fully complied with by the several reports of heads of Bureaus which are presented in connection with this general report. Here, therefore, it is proposed to view the year covered by this report from the broad point of view of the great functions which are exercised by this Department. This review will naturally be based on the more detailed information in the several Bureau reports, but the point of view will be not that of individual Bureau operation but that of the broad State duties performed by the Commission.

It is probably not generally recognized how important a department of State government the Industrial Commission has now become. Measured by the test of personnel and appropriations, the Industrial Commission has become one of the great State departments, having during the past year a total personnel of 781 and total appropriations amounting to \$1,472,380. Not less significant of its importance are the State functions committed to the Department. These include (1) the police function of law enforcement affecting hundreds of thousands of employers and millions of wage earners; (2) the function of legislation involving the establishment of regulations and rules having equal force with statute law; (3) judicial functions in the determination of scores of thousands of claims for compensation under the Workmen's Compensation Law; (4) the conduct of a public utility business in the management of the State Compensation Insurance Fund; (5) the function of friendly mediation or arbitration in the great field of industrial relations; (6) the constructive function of investigation and furnishing public information concerning conditions affecting the welfare of wage earners generally; (7) the important function of relieving unemployment by maintaining

a public employment system, which acts as a medium of clearance between employers seeking workers and workers seeking jobs, and (8) the function of aiding in the distribution and protection of the alien workers in the State.

To indicate some of the more general or outstanding features of the year's work in these several fields is the purpose of this report.

LAW ENFORCEMENT

The enforcement of laws enacted to conserve the health and welfare of wage earners is the oldest of the State functions exercised by this Department except one, dating back to the enactment of the first factory law in 1886 and being antedated only by the function of investigation which goes back to 1883, when the former Bureau of Statistics of Labor was established. Beginning in 1886 with the duty of enforcing a few elementary restrictions upon the employment of children, law enforcement duties of the Department have grown almost continuously until during the last year they covered work of enforcing regulations covering phases of health and safety of every description in factories, tenement workrooms, mines and quarries, tunnel construction, mercantile establishments, street trades and building work. An idea of the amount of work involved in the law enforcement duties of the Department is indicated by the figures in the report of the Bureau of Inspection for regular formal inspections of workplaces, bearing in mind that supplementing such regular inspections were scores of thousands of special inspections, complaint inspections, complaint visits, etc. There were such regular inspections during the past year numbering 67,424 for factories; 26,670 for tenement buildings relating to homework; 41,453 for mercantile establishments; 155 for mines and quarries; 57 for tunnels and caissons; 1,578 for boilers, and 580 for magazines for explosives.

Not infrequently complaints are made in these days of too much government regulation and inspection. The tacit assumptions in such complaints seem to be either that the regulations to be enforced are unnecessary or that they will be sufficiently observed without enforcing inspectors. Without commenting here on the first of these assumptions, with regard to the second it is desired to point out here that the evidence revealed by the

number of cases of nonobservance of the regulations enforced by this Department is against any such assumption. In the year here reviewed, so extensive nonobservance of the regulations of the Labor Law or Industrial Code were found in the State that it was necessary for the Department to issue orders to comply with the law numbering as follows: 160,552 to factories; 3,587 to licensed tenements; 92,328 to mercantile establishments; 553 to mines and quarries; 33 for tunnel and caisson work; 1,185 relating to boilers, and 596 relating to magazines. The moral of such figures would seem to be obvious, namely, that enactment of regulations must be supplemented by enforcement inspection work if the benefits which the regulations are designed to insure shall be made certain for all equally. But no one should assume from these figures for number of orders which it was necessary to issue during the past year that there is an attitude of hostility or malicious disregard of law on a scale corresponding to those figures. Any such conclusion would be quite incorrect. The proof of this lies in the fact that the powers of the Department to force recalcitrant employers to observance of the law by prosecution or other compulsory measure had to be invoked in but a small number of cases relative to the number of orders issued. In other words, in the great majority of cases orders were complied with following their issuance by the Department and visits of inspectors to see that they had been fully carried out, such a result indicating that in large measure it was only ignorance or oversight, rather than willful resistance of the law, which had to be overcome. The extent to which the ultimate enforcement process by prosecution or other compulsion had to be applied is shown by the following figures. Prosecutions conducted by the Legal Bureau were instituted during the year to the number of 1,672 for factories and 1,170 for mercantile establishments. Compulsion by stoppage of work was applied 277 times in the case of unclean factories, 619 times in the case of dangerous machinery, 16 times in the case of boilers, 813 times in tenement workrooms, and in 229 cases licenses for tenement work were revoked.

In prosecutions to enforce its orders this Commission is dependent upon the co-operation of magistrates to secure the full effect of such a proceeding in cases where conviction is secured,

owing to the power of the courts to suspend sentences. In the past the Department has at times questioned whether the courts may not have dealt too leniently with defendants by suspending the sentences which the Penal Law provides. The report of the Commission's Counsel in later pages discusses this subject at length and special attention is here directed to that report.

LEGISLATIVE FUNCTIONS

In point of responsibility involved, and far reaching effect, no function of the Commission exceeds in importance that of making rules and regulations to carry into effect the provisions of the Labor Law. It requires but little imagination to realize this in the light of the declaration of intent in the statutory provision (section 51-a of the Labor Law) conferring this function upon the Commission. Therein the Commission is given power to establish regulations having "the force and effect of law" and the intent of such delegation of legislative power is nothing less than to make those places in which a large proportion of the population of the State spend their productive energy safe as to health and life in respect of practically any condition affecting the same. Here is a function that in respect of numbers of the population and material interests which may be affected, in the variety and extent of its problems, and in the technical skill necessary to achieve both effectiveness and justice in the resulting regulations, imposes a responsibility calling for the highest type of constructive work.

During the year here reviewed such legislative work was in progress of being planned on thirteen different subjects, as elsewhere indicated in the report of the Bureau of Industrial Code. In the case of some of these, this work was in the nature of amendment of regulations previously established, while others represent extension of such regulation to new occupations or to new elements of hazard in others.

The most notable work in this field was the development during the year to the stage of public hearings preliminary to adoption of a safety code for building work. What makes this most significant is the fact that it represents an extension for the first time of comprehensive safety regulations similar to those long

familiar in the field of manufacturing to a great field of industry in which the hazard to life is several times as great as it is in factories. In other words, establishment of this code will mark the extension of the modern safety movement under State authority to one more of the great fields of industry in this State. It may be remarked that since the close of the fiscal year for which this report is submitted, the code on building construction has been adopted to be effective as of March 1, 1920.

JUDICIAL FUNCTIONS

The work of the year in the exercise of the judicial functions of the Commission for the determination of compensation due to injured employees under the Workmen's Compensation Law is discussed in detail in the report of the Bureau of Workmen's Compensation. The outstanding feature of the year in this field was an investigation of so-called "direct settlements" resulting in a radical change of law on that subject.

The direct settlement provision of the Compensation Law was not in the original act of 1914. Under that act it was contemplated that a formal award of compensation should be made before there could be any payment to the injured workman. But experience under this plan in the first year showed that so much time was required to get cases through the administrative procedure preceding an award as to seriously delay the receipt of compensation by the injured employee or his dependents. When it is recalled that the fundamental purpose of the law was to relieve the distress caused injured employees by loss of wages, it is clear that anything causing delay in payment of compensation is a fundamental defect to be remedied if possible. Accordingly in 1915 the law was amended to permit what have since been termed "direct settlements." This provision permitted an injured employee and his employer to negotiate directly a written agreement for the payment of compensation under the law and the employer to then advance compensation to the injured worker, the agreement ultimately to be subject to check-up and approval by the Commission as to its conformity with the law.

Such direct settlements came very quickly into wide use and ultimately the method was being followed in a majority of the

compensation cases. During the past year, however, the Governor of the State appointed a special commissioner under what is known as the Moreland Act to make an investigation of the work of the Industrial Commission and the operation of the provisions of the Compensation Law. One of the first matters taken up in this investigation was direct settlements in compensation cases and the result was a report, made public by the Governor, which condemned that method of settling cases unqualifiedly on the ground that an examination of records had proven widespread and gross underpayment of injured employees under direct settlement agreements, which the Commission was unable to fully guard against under the existing state of the law and the facilities at its disposal. As a result of this report chapter 629 of the Laws of 1919 was enacted. This did not entirely abolish direct settlements because, in spite of the abuses which had developed, experience had shown that in one respect the direct settlement provision had accomplished the very important result of earlier payment of compensation to injured employees than had been attained without it. This was shown by a very much shorter average time between the accident and first compensation payment in such cases than in those where the procedure of claim hearing and award before payment was followed. It was felt that this possible advantage for the injured employee should not be sacrificed and accordingly the provision for direct agreements was left in the law. But as a more certain check to insure that such agreements shall accord with the law, it was provided that the Commission should hold a hearing with due notice to the parties upon every agreement case. It was also provided that both in such cases, and in all others as well, a final report or accounting of amount of compensation paid must be made by the employer or insurance carrier to the Commission after the last payment is made or due. To such specification of procedure the Legislature added the necessary condition for insuring practical effect thereto by making an immediate special appropriation of \$60,000 for the current year to cover the additional work which the Commission had reported would be imposed upon it by the requirement of hearings in all cases, and an additional \$12,000 to take care of the added statistical work required.

Thus the year here reviewed was made notable by an important forward step toward making certain that in no case shall practice fall short of the fundamental purpose of the Compensation Law, namely, payment in full to injured employees of the compensation due them.

MANAGEMENT OF THE STATE INSURANCE FUND

In this field, as in the last mentioned, the most notable feature of the year was an investigation of the management of the Fund ordered by the Governor. Much discussion and controversy has gathered about this investigation which was still in progress at the close of the fiscal year. As this report is written (March, 1920) the final report of the investigation (as well as earlier reports) has been made, as the result of which the manager of the fund has resigned his position.

It is not proposed here to go into the various points of detail which came to issue in connection with this investigation. They have been sufficiently threshed over in the published reports and discussions of the same. But on the other hand, to ignore the episode would ill become the Commission responsible for the proper management of the Fund, when giving an account of its stewardship for the year.

What it is really most important to consider in this matter, is whether the investigation affords any ground for distrust of the State Fund on the part of the employees or employers. Does it appear that the State Fund has treated injured employees unjustly in the settlement of compensation claims? Does it appear that employees whose employers were insured in the State Fund were not absolutely secured against loss of any compensation which might become due them? Does it appear that employers were not fully secured against liability to pay compensation? And, finally, does it appear that State Fund insurance has not been an economical form of insurance?

Before giving the answers to those questions, it is necessary to say frankly that the investigation has revealed conduct on the part of the individual employees or officials of the State Fund which it cannot be denied was questionable. On some points, the conduct was questionable rather from the point of view of

judgment than of integrity; on others, conduct impeaching the integrity of individuals was shown. Concerning the former, this Commission, which from the outset took only the attitude of openness concerning the investigation, at once took and still takes the only possible position, which is that it welcomes any evidence or advice which will enable it to correct mistakes or improve practice. And concerning the latter, the Commission, likewise, has taken and still takes the only possible position, which is that any departure from the strictest integrity in the affairs of the State Fund is to be absolutely eliminated no matter what elimination of individuals may be required to that end. That this is no idle promise for the sake of offsetting any unfavorable impression created by the investigation is proven by action already taken in more than one case to purge the State Fund of any such element, and the Commission here puts itself on record to stand upon its present and future record of action in vigilance to discover and firmness to punish any such element.

But even with the record as to individual conduct as it stands, has it been shown that the fundamental interest of employees or employers committed to the State Fund were betrayed? It is here maintained that, in spite of efforts which have been made to create suspicion and prejudice out of the situation, the answer of the facts established by the investigation itself is wholly to the contrary. Let us see just how the case stands on each of the fundamental questions above noted.

(1) How about under payment of injured employees? Here are the facts recorded in the report of the investigation itself, which sufficiently answer that question. (a) The "conditions so shocking as to require immediate remedial legislation" found in connection with "direct settlements" had absolutely nothing to do with the State Fund because the "State Insurance Fund never adopted direct settlements." (b) It is not even suggested in the report of the investigation that the Fund did not, or showed any inclination in any case not to, pay to injured employees every cent awarded them by the Compensation Bureau, which adjudicates all claims. The fact is not overlooked that the investigation did reveal that certain individuals connected with the Fund (and others connected with the Compensation Bureau) had privately

defrauded claimants of compensation which had been paid them. But this must be sharply distinguished from under payment of claimants, because the report does not even hint that even such defrauded claimants failed to receive all that was awarded, or that the fraud perpetrated upon them was with the knowledge or collusion of the State Fund management. Nor was it shown that by collusion or otherwise were any awards made against the Fund in excess of the amount provided by law.

(2) How about the soundness of the Fund as an insurer? Here the answer of the investigation is positive and conclusive. It was found to be "sound financially," "solvent and strong and to be possessed of unimpaired reserves." In other words, it was beyond criticism as to security against loss which it assured to both injured employee and insured employer.

(3) How about the economy of insurance in the State Fund? Here again the answer of the investigation is unequivocal. The report finds the demonstrated economy of State Fund insurance so marked as to warrant the conclusion and recommendation that for the sake of economy to the people of the State it should be made the one exclusive type of compensation insurance.

To sum up the matter, while the investigation brought to light administrative matters requiring correction or improvement, it at the same time showed the Fund to be furnishing absolutely sound, and the most economical form of, compensation insurance in the State, and to be least open to criticism on the score of under payment of injured employees. If that be true, then there can be no question about the future of the State Fund, granted only that administrative defects shall be removed either by this Commission or the Legislature.

PROMOTION OF PEACEFUL INDUSTRIAL RELATIONS

The report of the Bureau of Mediation and Arbitration indicates that while in that part of the year up to the close of the war there was less disturbance of industrial relations than usual owing to the dominance of the idea of united endeavor for the common cause at issue in the war, nevertheless the close of the war brought an extensive renewal of industrial strife. Undoubtedly the underlying cause of this was partly psychological, being a natural reaction from the strain of war, from a

sense of right born of the ideas of freedom and democracy sown by the proclaimed ideals for which the war was waged, and from an expectation of new and better conditions to prevail when the war should be won; and partly the result of an economic situation in which a sharply rising cost of living and a limited supply of labor gave both spur and favorable opportunity to employees to insist on more favorable conditions of employment.

The moral of this revival of industrial strife from the present point of view lies in the necessity which it emphasizes that the function of this Commission to promote industrial peace shall be developed to the highest possible effectiveness. Any careful observation of more recent developments in this field reveals two general ideas concerning method which seem to point the road to progress in this matter.

In the first place, is the recognition of the importance of prevention of strife, as distinguished from settling quarrels that have broken out, by the continuous study of the problems of industrial relations and promotion of the methods and machinery which will continuously maintain and develop amicable relations between employer and employees as joint agencies in production. Never before have the problems received such attention as now and never before has the demand for information and guidance in the solution of them been so great. No better evidence of the extent of this demand is to be found than in the numerous firms which are developing a commercial business of furnishing just such information and advice. It would seem obvious that this situation presents at once an opportunity and an obligation to this Commission which by reason of its position and powers is better situated to furnish service in this field than any other agency.

In the second place, is the degree to which special knowledge is necessary in the handling of the problems of industrial relations. This is true both of the constructive work of continuous maintenance of stable industrial relations referred to in the paragraph and of the work of mediation or arbitration in disputes. For the former, grasp of the fundamental rights and obligations of employers and employees, not only in their relations to each other, but in their relations to the community, and wide acquaintance with specific methods and agencies which have been

developed in this field, are essential; while often for the latter, in addition to that just mentioned, there must now be available comprehensive data as to conditions of employment in other competitive localities or industries, and as to the course of wages and cost of living. One of the striking facts in more recent disputes is the degree to which statistical evidence is appealed to, and is finally decisive in settlements.

The practical conclusion to which the foregoing leads is that while the existing industrial situation presents a call to action on the part of this Commission, it also points to the necessity of adequate equipment for the performance of the more constructive and more difficult work of this field under the more complicated conditions of modern industrial life, as compared with the simpler methods regarded as adequate in former years.

PUBLIC INFORMATION

It is now recognized as never before that wise progress in any field of public work depends upon comprehensive and accurate knowledge of facts and conditions. Such knowledge is at once the indispensable guide of public officials and the necessary foundation for the development of sound public opinion. In no field, perhaps, is there more need or livelier demand for this kind of public service than in the field of labor and industry in which lies the work of this Commission.

For such service broad power is conferred on the Commission and a broad policy is specified by the Labor Law. Section 51 provides that the "commission shall have power to make investigations concerning and report upon the conditions of labor generally," and section 64, relating to the duties of the Bureau of Statistics and Information declares as policy and intent "that the commission shall have full and accurate information relating to the operation and effect of the laws which it administers, the means of promoting the ends sought by those laws, and any other matters concerning which the commission may deem it desirable that information shall be available."

The past year witnessed a greater call upon the Department for service of this kind than ever before, evidenced not only by wider demand for its publications in their present scope and form,

but by more numerous inquiries for other information of many kinds which it cannot with present resources make available. Most of these calls represent a demand for information which should be available and constitute the best possible argument for adequate resources so that there may be development of this essentially educational function of the Commission adequate to the needs of the times.

SELF INSURANCE

The Commission feels that it should call attention to the evident increase in the number of employers who have taken advantage of the provisions of subdivision 3, section 50, of the Compensation Law, commonly called "self insurance." Under this provision of the law an employer may, if the Commission be satisfied of his financial ability to pay compensation for himself, go uninsured as to compensation upon his complying with the requirements of the law, by depositing securities with the Commission, and by complying with the other requirements of the Commission.

At the present time 344 employers have been granted the right to carry their own insurance and have qualified under the rules of the Commission.

While the method of self insurance possesses many distinct advantages, both to the employer and to the injured workmen, it has an inherent weakness in that the method does not really lend itself to the securing of payments of compensation that may extend many years into the future. Death claims, in the cases of young widows, may call for the bi-weekly payments for the next forty years or even longer. Similarly cases of permanent total disability or permanent partial disability, such as loss of a leg or arm, may have to be safeguarded through many years.

It was to meet this situation that section 27 of the law was enacted, which provided that the Commission might call in the present values of such long term claims, and create out of the moneys so collected a trust fund for the benefit of the injured workmen or their dependents.

The power to call in all such claims as against self insurers as a class was denied by the Court of Appeals in the matter of

Sperduto (226 N. Y. 73) and the trust fund that had already been set up was distributed and returned to the employers who had paid into it, and they thereupon resumed the payments to claimants that theretofore were made from the fund.

This decision caused the Commission to give serious consideration to the security to the claimants of the method of allowing employers to carry their own insurance. No feasible method was found of compelling self insurers to set up reserves to meet these deferred payments. Any such reserve would be nothing more than a bookkeeping proposition and no such sequestration of assets as would be binding as against other creditors of the employer. A hearing was ordered to which were invited all self insurers, and as an outcome of that hearing new rules, in definite form, were adopted governing the granting of self insurance and the continuance of the privilege. These rules, in brief, provide for a method of ascertaining the amount of securities to be deposited with the Commission upon the granting of an application to become a self insurer, based upon the pay roll and insurance risk, with a minimum and maximum. The rules also provide for a semi-annual ascertainment of the liability of the self insurer, and a method of calling for the deposit of additional security with the Commission to cover this fixed liability. On the other hand, if the semi-annual statement shows a reduction of liability, due to the completion of payments in certain claims, the employer is then entitled to the return of a portion of his securities.

By this method it is believed that real and adequate security has been provided for the widows and orphans of industry, and that the method is entirely fair to the employer. At the present time the Commission has deposited with it a total of \$7,475,125 in securities to secure the payment of compensation by self insured employers.

Many employers have found self insurance to be a far cheaper form of security of the compensation liability than is direct insurance, except for the risk of a catastrophe or running into a period of bad loss experience. If honestly and fairly administered it tends to create better relations between employer and his employees, through the personal contact, and it certainly is a

powerful incentive to safety engineering on the employer's part. Through this method he learns directly the cost of preventable accidents.

Appended hereto is set forth in full the new rules adopted by the Commission on June 17, 1919, governing the matter of self insurance.

RULES FOR SELF-INSURERS

Rule 1. Every employer applying under subdivision 3 of section 50 of the Workmen's Compensation Law for leave to pay compensation to his injured employees, or their dependents, for himself shall, before receiving such permission, make application therefor on a form to be prescribed by the Commission and shall satisfy the Commission of his financial ability to pay such compensation for himself. For that purpose such employer shall furnish the Commission with a sworn itemized statement of his assets and liabilities in such form as the Commission may prescribe. If upon the examination of such sworn statements of assets and liabilities the Commission is satisfied, not only of the ability of the employer to make current payments of compensation, but also that his tangible assets make reasonably certain the security of death claims and disability claims of one hundred and four weeks or more duration, the Commission shall grant permission to such employer to secure the payment of compensation for himself upon such employer complying with the following terms and conditions:

(a) Such employer shall execute and file with the Commission an agreement in form prescribed by the Commission, agreeing to pay to his injured employees and to the dependents of deceased employees from time to time all compensation as required by the provisions of the Workmen's Compensation Law, in accordance with agreements made pursuant to the law or under lawful awards made by the Commission; to deposit with the Commission securities in amounts as hereinafter provided; and further providing that the Commission may sell any part of such securities and from the proceeds thereof make payments of compensation which such employer may neglect or refuse to make for himself.

(b) Such employer shall deposit with the Commission, as security for the payment of such compensation, securities of the kind specified in section 13 of the Insurance Law; such securities shall be transferred to and stand in the name of the State Industrial Commission. Interest upon such securities shall be promptly collected by the Commission, and when so collected shall be paid to the employer depositing such securities, so long as such employer be not in default upon any of the payments of compensation required to be made; securities shall be equal in amount to not less than what would equal six months' premium for such employer in the State Insurance Fund, provided, however, that no such deposit of securities shall be less in amount than five thousand dollars par value and shall not unless in special cases for good cause exceed in amount fifty thousand dollars; and provided, further, that semi-annually the Commission shall require each such employer to file with it a sworn statement of its accident experience during the preceding six months, which statement shall show the number of accidents, the

nature of the injury, the probable duration of disability, and in death cases, the number and ages of dependents, and the rate of compensation. If, upon examination of such statement, it shall be found that the outstanding liability of any such employer on account of all unpaid compensation shall equal or approximate one-half the amount of securities deposited with the Commission such employer shall forthwith deposit with the Commission an additional amount of securities, of the same character as required by the initial deposit, equal in amount to the present value of all unpaid compensation in death claims and disability claims wherein the period of disability equals one hundred and four weeks or more. Such employer may also at the time of rendering any such semi-annual statement show the termination of liability on any claims theretofore accrued and to secure which a deposit of securities had been made, and if, at such time the total amount of securities of such employer on deposit with the Commission shall exceed the amount of six months' premium of such employer in the State Insurance Fund, plus the amount of outstanding liability for unpaid compensation in death claims or disability claims of one hundred and four weeks or more duration, such employer shall be entitled to receive back from the Commission such excess of security, unless the outstanding liability of the employer for unpaid compensation for accidents generally shall, in the judgment of the Commission, make such return of securities inadvisable.

Whenever an employer incurs a liability for unpaid compensation in a death claim or disability claim of one hundred and four weeks or more duration, the Commission may at any time require such employer to make an additional deposit of securities of the same character as required in the case of initial deposit equal in amount to the present value of each such outstanding claim.

Nothing in this rule contained shall be construed as abrogating any of the rights of the Commission or of limiting the right of the Commission at any time to require the deposit of additional securities in the event of a catastrophe or a change in conditions of the employer, either with respect to the financial situation of the employer, his outstanding liabilities for unpaid compensation or an increase in the payroll exposure, nor the right of the employer semi-annually to have the amount of securities deposited by him readjusted as provided herein and in accordance with the conditions existing at such time

(c) Such employer shall furnish the Commission annually with a sworn statement of his assets and liabilities, and shall furnish the Commission on the first day of each month a statement of his payroll for the preceding month, showing the number of employees, classified according to their employment, with a statement of wages paid in each such classification, such statement to be submitted on a form prescribed by the Commission.

(d) Such employer shall permit the Commission or a duly authorized representative thereof to make an examination of such employer's assets and liabilities for the purpose of verifying any financial statement submitted.

(e) In the event that any such employer shall desire to discontinue business in the State of New York or to provide security for the payment of its compensation in one of the other ways permitted by law, the Commission may retain all or any part of the securities so deposited for a period equal to one year from the date when such employer ceased being a self-insured

employer; such employer shall file with the Commission a sworn statement of all existing liability for compensation and the Commission shall, at the expiration of such period of one year, return to such employer all securities of such employer in excess of the amount of such unpaid compensation; or such employer may, at or before the expiration of such period of one year, cause its liability for such compensation to be assumed by an insurance corporation authorized to carry workmen's compensation insurance in the State of New York, in such form and manner as the Commission may prescribe and thereupon the Commission shall return to such employer all of his securities so deposited, provided such employer be not in default in any payment required to be made; but no such assumption of liability shall be deemed to relieve the employer of liability for such compensation in the event of the failure of such insurance company to make the payments required.

Rule 2. Every employer now authorized to pay compensation to his injured employees or their dependents for himself under subdivision 3 of section 50 of the Workmen's Compensation Law, shall on or before September 1, 1919, submit to the Commission (a) a sworn, itemized statement of his assets and liabilities, in such form as the Commission may prescribe, and (b) a sworn statement of all outstanding claims against him for unpaid compensation, setting forth the nature of each injury, the probable duration of disability, and in death cases, the number and ages of dependents and the rate of compensation. The securities that such employer shall be required to deposit with the Commission shall be readjusted in accordance with Rule 1 hereof, at such time and in such manner as the Commission may prescribe.

Adopted by the State Industrial Commission, June 17, 1919.

EMPLOYMENT

The importance of the work of the Bureau of Employment has received very substantial recognition during the past year. During the war period and the months immediately following the importance of the employment bureau maintained by the State was not as generally recognized as its work deserved, owing to the almost complete dominance of the field of public employment by the United States Employment Service. That service, however, called into existence by the war emergency, could not be expected to continue the same degree of activity that it exercised during the war, and it was one of the earliest to meet with great reduction in its appropriations. In the early spring of 1919 this service found itself in a position where it had almost overnight to abandon all but two or three of its employment offices in this State. The situation was one of extreme emergency and was the subject of a special report of the Reconstruction Commission, and recommendation of the Governor. A special appropriation of \$50,000 was made by the Legislature, to enable the Industrial

Commission to take over at once such of the Federal offices as it deemed proper to keep going, instead of allowing them to be abandoned entirely. It was not deemed necessary to keep all of the offices going but the Commission took over three offices in New York city, in addition to the two that the Employment Bureau already were maintaining, and in addition took over new offices in Yonkers, Newburgh, Schenectady, Utica, Binghamton, Elmira, Jamestown, Watertown and Niagara Falls. In addition, the Commission was enabled to enlarge and strengthen the offices already maintained at Albany, Rochester, Syracuse and Buffalo.

While this appropriation was limited in time to the expiration of the fiscal year ended June 30, 1919, the Legislature made an additional appropriation to continue the offices thus established through the next fiscal year until February 29, 1920. This appropriation was not made for a full year in the expectation that Congress would before it expired supplement the State's appropriation by a like amount. This Congress has not done up to the present, and it may be noted that an emergency deficiency appropriation has been made to continue the Bureau without Federal aid.

The subject of Federal-State co-operation in the field of employment has received a vast amount of consideration during the past year. Measures have been proposed in Congress for the joint operation of a national system of employment offices, these offices to be under the direct supervision of the State authorities in conjunction with the offices already maintained by the States, the whole to be regulated, however, by uniform rules and practices, to be prescribed by the Federal authorities, interstate clearance of workers and positions to be under the control of Washington. Under this plan the funds appropriated by Congress are to be used to supplement the funds appropriated by each state, on the basis of dollar for dollar. As New York State has appropriated approximately \$300,000 for employment work, it would mean a contribution to the State of \$300,000 of Federal money, and would make available an employment system in this State costing annually \$600,000, a service that would give to the workers and employers of the State an agency for bringing them together that would go toward eliminating the wasteful and inefficient system of private agencies.

We are of the opinion that the State should enter into such co-operative relations with the Federal government in the event such legislation should be enacted, but in the meantime we believe the State should not relax its efforts to continue the operation of its own system of State offices without waiting for legislation by Congress.

PERSONNEL

It is with a sense of profound regret that the Commission has to record the death of its late Chairman, John Mitchell, on September 12, 1919. As a member of the former State Workmen's Compensation Commission and as the first Chairman of the State Industrial Commission, his work has left an indelible impression upon the development of labor and compensation laws and administration in this State. Perhaps the best expression of the sentiments of his late colleagues is contained in the resolution spread upon the Commission's minutes, as follows:

WHEREAS, the Industrial Commission has learned with profound sorrow of the death of its Chairman, John Mitchell. In his death the members of the Commission have lost not only a faithful friend but also an inspiring leader, wise counsellor and an energetic administrator: Not only the people of the State but the people of the whole nation have suffered a great loss in his death. In his labors for the welfare of his fellow men he was untiring. Sincerity of purpose and sympathetic motive were the guiding elements of his public work. Essentially a man of peace he was a sturdy fighter in any cause which he believed to be right. He always sought to do justice and the rights of all were scrupulously regarded by him.

Therefore, be it resolved, by the Industrial Commission of New York that we record our sorrow at the death of our Chairman and thus express our appreciation of his life and works.

Be it further resolved, That we extend to the bereaved widow and family of our late Chairman our sincere sympathy in their great loss.

To fill the vacancy caused by the death of Mr. Mitchell, the Governor appointed Edward F. Boyle of the borough of Manhattan, New York city.

On December 31, 1919, the term of office of Honorable Edward P. Lyon expired. To the vacancy thus created the Governor appointed Cyrus W. Phillips of Rochester.

On June 11, 1919, Edward W. Buckley of New York city was appointed Secretary of the Commission in place of William S. Coffey, resigned.

On October 1, 1919, Edward D. Jackson of Buffalo was appointed Third Deputy Commissioner in place of Frank B. Thorn, resigned.

On May 1, 1919, Bernard L. Shientag of New York city was appointed Chief Counsel of the Commission in place of Robert W. Bonyngue, resigned.

On April 1, 1920, Leonard W. Hatch, previously Chief Statistician of the Commission, was appointed Manager of the State Insurance Fund.

The Commission feels that it should call attention to the increasing difficulty in obtaining and retaining competent employees at the salaries provided in the budget. The increase in the cost of living together with the higher rates of pay prevailing in many private employments have been productive of a tremendous turnover in the personnel of the Department. The 10 per cent bonus to the lower paid employees has done much to help, but some of the very low paid positions are vacant most of the time, owing to the difficulty of obtaining candidates on civil service lists willing to accept the positions, and when they do so they are very apt to be of a very low order of efficiency. Unless something is done to increase salaries in the Department, the Commission feels that it cannot expect to have its work kept up to the point of efficiency and promptness that it desires, nor that the people of the State are entitled to receive.

Attached hereto are the reports of the heads of the several bureaus, to which reference is made for more detailed information as to the activities of the Department.

Respectfully submitted,

EDWARD F. BOYLE,
Chairman;

HENRY D. SAYER,
JAMES M. LYNCH,
FRANCES PERKINS,
CYRUS W. PHILLIPS,
Commissioners.

By the Commission:

EDWARD W. BUCKLEY,
Secretary.

PART II

REPORT OF THE BUREAU OF INSPECTION

[29]

(1) REPORT OF FIRST DEPUTY COMMISSIONER IN CHARGE OF THE BUREAU OF INSPECTION

To the Industrial Commission:

There is submitted herewith report for the fiscal year 1918-1919, which covers the period for the twelve months ending June 30, 1919.

Appended are the reports of the chiefs of the several divisions of the Bureau of Inspection. Attached, also, will be found the complete statistical tables showing in full detail the work accomplished by the Bureau of Inspection.

This report shows a general increase in the amount of work accomplished as compared with the previous year. This increase in the amount of work was accomplished with the same working force, there having been no additional inspectors or clerical assistants provided, although there were many added duties and responsibilities placed upon the bureau because of the amendments to the Labor Law.

When consideration is given to the large amount of time lost due to sickness, as a result of the influenza epidemic, and the inability to keep all vacancies in the working force filled because of the refusal of those on the civil service lists to accept the positions at the salaries provided, or because they would have to accept a military appointment, as a number of our regular force were in military service, the results achieved are most gratifying and demonstrate the efficiency of the systematic methods instituted to properly grapple with the enormous task of enforcing the provisions of the Labor Law and the numerous additional duties and responsibilities added to the work of the Inspection Bureau during the past two years.

It should be borne in mind that while many amendments were made to the Labor Law, increasing to a very large degree the duties of the Inspection Bureau, in no instance was any provision made for an additional number of inspectors or clerks to enable the bureau to keep pace with the increased responsibility imposed upon it because of the changes made in the Labor Law. Regardless of these difficulties, the bureau proceeded with grim deter-

mination to do the best it could to enforce the laws with the force at its command, with the hope that by adopting the most efficient methods of performing the work we would to some degree overcome the obstacles and accomplish the task with which we were confronted. By the adoption of the most approved methods and the loyal assistance of the bureau employees, we were able to eclipse the work of former years and record a new standard of accomplishment. These results could not have been achieved without the earnest co-operation of the employees of the Bureau of Inspection, who, by their earnest efforts, made these achievements possible, and are, therefore, entitled to the credit for the results accomplished.

In the past four years, with practically the same number of employees, we have increased the work performed by the bureau approximately 64.5 per cent. It is reasonable to expect that we have reached the point where we cannot consistently expect greater efforts from the working force. Therefore it is urgently necessary in order to properly enforce the many excellent laws enacted to provide an increase in the force of the Inspection Bureau.

The table following shows the increase in some of the important details of inspection work and the decrease in the number of complaints filed:

STATISTICS OF FACTORY INSPECTION

	Year 1915	Year 1919	Percentage of increase
Regular inspections.....	40,996	67,424	64.5
Special inspections.....	6,869	13,045	89.9
Compliance visits.....	62,299	94,781	52.1
Complaints filed and investigated.....	2,296	1,297	*43.5

* Decrease.

WOMEN IN INDUSTRY

As shown in my report for the last fiscal year, we covered all establishments that had substituted women for men in performing work formerly done by men. The investigation was carried on until all places had been covered. There is nothing to be added to this subject, other than has been previously stated in former reports, except that there has been a great reduction in the number of women employed in many of the processes at which they were employed during the war in place of men. The only possible exception is in relation to the operation of elevators,

but even in this line of work there has been a great reduction in the number of women employed. Where they have been retained, or substituted, it was, to a large degree, because of the failure to secure men for the wages offered or paid to women elevator operators.

MERCANTILE INSPECTION

There is appended hereto the report of the Division of Mercantile Inspection for the fiscal year. This report shows the work of the division in detail.

Attention is called to that part of the report of the division relative to the tendency, on the part of the larger and more progressive establishments, to shorten the working hours of the employees; also to the practice of some of the leading establishments in the larger cities of closing the stores all day on Saturday. This demonstrates that many merchants are abreast of the times and realize that it is not promoting efficiency to keep their stores open when there is not sufficient patronage to justify such a course, and that they have learned that the additional leisure time promotes efficiency.

The report points out the failure of the law to provide for the posting of the hours of labor for females employed in restaurants. This should be remedied by amending the law so as to provide the same requirements for restaurants as for other establishments employing females.

Section 161, subdivision 3, which provides a twenty-minute meal period for employees working after 7 p. m., should be changed to forty-five minutes. The twenty minutes does not provide sufficient time to secure a proper meal.

The 1919 session of the Legislature made several amendments to the law enforced by the Mercantile Division, which has greatly increased the duties and responsibilities of the division, such as the enforcement of article 12-a which extends many of the provisions of the Labor Law of female elevator operators. For the reason that by far the larger number of females who operate elevators are employed in mercantile buildings and apartment houses, this adds considerable work to the division.

Chapter 145 of the Laws of 1919 extended the jurisdiction of the division relative to mercantile establishments to all cities

of the State. This added forty-nine cities to those already covered by the work of the division, and the cities included by this chapter have a population of more than 1,500,000.

Chapter 583 amended article 12 by adding a new section, 161-d, relative to the hours of labor of females employed on street, surface, elevated, subway and electric railroads. All of these changes have greatly added to the work of the division and it is very necessary that the force should be increased to enable it to properly enforce the laws which are now part of the statutes.

I concur in the recommendations made by the chief of the division both as to the necessary changes in the law and the additional help necessary to properly carry on the large volume of work included in the laws which the Mercantile Division enforces.

HOMework DIVISION

Appended hereto is the report of the Homework Division for the fiscal year. This report shows a satisfactory condition as to the work accomplished, considering the problems and the responsibilities involved in enforcing the provisions of the law.

Attention is called by the chief of the division to the inadequacy of the force to properly perform the work in hand. The force should be increased in order to do this work properly.

You will notice that the report shows the existence of child labor in connection with home work in tenements. Child labor also exists in the dwellings to a larger extent than in the tenements for the reason that there is no provision of law to restrict it. The chief of the division has endeavored to show the relative increase in the prices paid for home work in 1919 as compared with those paid in 1914. Should these prices continue they will have a tendency to increase the volume of home work in both tenements and dwellings. I have repeatedly called attention to the necessity of extending the provisions of article 7 of the Labor Law to include all home work which is carried on in dwellings. From the experience and records of the Homework Division we can state authoritatively that there is more home work done in dwellings than in tenements, with, in many instances, all the attendant evils to public health which exist in tenements. After all, the danger lurking in the wake of home work is not all created by

the condition of the building or premises, but a great deal depends upon the health, character and habits of the people doing the work, and inasmuch as the purpose of this law was to protect the health of the public generally by endeavoring to have home work done under clean and sanitary conditions, the law should not be a half-way measure, but should be extended to include the whole field and cover any type of dwelling in which home work as covered by the law is performed.

There are those who advocate the elimination of all home work. If such a policy was adopted by the State it would mean increasing the task of the Inspection Bureau, for any enactment which would prohibit home work would have to include work done in both tenements and dwellings. This would necessitate an inspection and follow-up system which would be far beyond the ability of the present available force allotted to the Homework Division.

At present we have very little trouble in obtaining the list of home workers, as provided by law, from the manufacturers, for many of them ascertain where work can be legally placed in tenements from our published bulletins showing the list of licensed tenements. If home work was prohibited, many manufacturers would comply, but some might attempt to keep the knowledge as to the location of home workers from the Department. Under such conditions the enforcement would be far more difficult than under the present system.

DIVISION OF INDUSTRIAL HYGIENE

There is appended hereto the report of the Director of the Division of Industrial Hygiene. This division has done very creditable work, considering the limited number of employees that can be assigned to the division.

During the fiscal year special investigations were made of trades and processes of the chemical industry, cleaning and dyeing of second-hand clothing, garages, respirator and exhaust systems for the removal of dust, gases and fumes involving lead dust and dust in grinding and polishing. The results of the investigation will, no doubt, be published in special bulletins for the information of the industries of the State. This work should be extended, as excellent results can be accomplished if a sufficient force could be assigned to the work of this division.

I would recommend that ample help and funds be provided to permit of the development of our efforts so as to reach all the important industries of the State.

FACTORY INSPECTION

During the fiscal year the Factory Inspection Division made a regular inspection of each of the 67,424 factories located in the State. There were also 13,045 special factory inspections made, which means that this number of factories were reinspected. The factories employed, at the time of regular inspection, 1,384,888 employees. This does not represent the full number of employees, for many establishments were inspected at times when they were involved in strikes and there were fewer employees compared with the total number usually employed. This was practically true as regards the needle trades in New York City, which were involved in a strike that lasted approximately eleven weeks. This will account for some of the difference in the total number of employees found at work this year, as compared with the previous year.

In order to make this large number of regular and special inspections and perform the work required by the Labor Law, the Division of Factory Inspection found it necessary to make 53,809 building surveys. As a result of the inspections made there were 160,552 orders of all kinds issued.

The foregoing figures will give an indication of the large volume of work the Division of Factory Inspection has to handle in the course of a fiscal year.

The following tables will show briefly, in part, the different classes of work accomplished and the amount thereof:

FACTORY INSPECTION WORK		Twelve months ended June 30, 1919
Factories:		
Regular inspections.....		67,424
Special inspections.....		13,045
Building surveys.....		53,809
Special investigations.....		6,183
Complaint investigations.....		1,297
Compliance visits.....		94,781
Factory information calls.....		17,616
Tagging unclean factories.....		277
Tagging dangerous machinery.....		619
Factories closed or vacated.....		3,106
Department office calls.....		5,917

ORDERS AND COMPLIANCES		Twelve months ended June 30, 1919
Factory orders:		
Administration.....		35,909
Sanitation.....		55,419
Accident prevention.....		59,732
Fire protection.....		4,652
Children.....		4
Women and male minors.....		142
Day of rest.....		2,383
Miscellaneous.....		2,222
Total.....		160,557
Factory compliances:		
Administration.....		35,914
Sanitation.....		53,562
Accident prevention.....		56,376
Fire protection.....		4,956
Children.....		4
Women and male minors.....		142
Day of rest.....		2,394
Miscellaneous.....		2,285
Total.....		155,668

It will be understood that where the number of compliances exceeds the number of orders issued in the fiscal year, it is caused by orders issued in the last part of the previous fiscal year, it being impossible to obviate the carrying of uncomplied orders from one fiscal year to another.

It will be noticed from the above tables that the total compliances secured were nearly equal to the total number of orders issued during the fiscal year, there being 4,919 more orders issued than compliances secured; but when we realize that we issued 4,064 orders during the month of June, 1919, which was the last month of the fiscal year and compliance visits on such orders could not be made within the fiscal year, it can be seen that regardless of the large volume of work the division is keeping the compliance work well balanced with the orders issued.

This phase of the work is most important, for to issue orders and not insist on compliance with such orders simply destroys respect for the law's provisions and fails to secure for the workers the benefits of such laws. The efficiency of an inspector is increased by his ability to correct the improper conditions found,

by securing compliance with the provisions of the Labor Law and Industrial Code.

BLOCK SYSTEM

In former reports the workings of the Block System was fully explained. It is only necessary to say here that it has demonstrated by its accomplishment all that was claimed for it when we developed and inaugurated the system. By this plan we can perform the work with a thoroughness never before achieved, and we are in possession of reliable data relating to the volume of work in any given territory in the State. It has enabled the Inspection Bureau to find many factories which were not known to exist before the plan was instituted. Through it we are finding the new factories established since the last inspection; and through it to properly check and record all vacant factories and factory buildings. At present we can say we are covering all of the factories in the State by regular inspection each year. We are in hopes of extending this plan to the mercantile inspection work, but it is impossible to do so until the force of mercantile inspectors is more nearly adequate to cover each year all mercantile establishments coming under the provisions of the law. Until this is accomplished the adoption of this plan for mercantile establishments generally throughout the State would not be practicable.

PROSECUTIONS

The table of prosecutions attached to this report shows in detail the class of violations for which prosecutions were begun and the result of such prosecutions. The following table will permit of comparison for the past five years, relative to the number of prosecutions completed and the amount of fines imposed:

	FISCAL YEAR 1915 (12 MONTHS)		FISCAL YEAR 1916 (9 MONTHS)	
	Prose- cutions completed	Fines imposed	Prose- cutions completed	Fines imposed
Factories.....	845	\$4,387	1,923	\$9,856
Mercantile establishments.....	876	5,842	840	6,790
Total.....	1,721	\$10,229	2,763	\$16,646

	FISCAL YEAR 1917 (12 MONTHS)		FISCAL YEAR 1918 (12 MONTHS)	
	Prose- cutions completed	Fines imposed	Prose- cutions completed	Fines imposed
Factories.....	2,835	\$25,250	1,301	\$13,755
Mercantile establishments.....	1,617	12,385	934	7,950
Total.....	4,452	\$37,635	2,235	\$21,705

	FISCAL YEAR 1919 (12 MONTHS)	
	Prose- cutions completed	Fines imposed
Factories.....	1,656	\$12,890
Mercantile establishments.....	1,155	7,085
Total.....	2,811	\$19,975

In former reports we have called attention to the failure of magistrates throughout the State to properly perform their responsibilities as provided in the Labor and Penal Laws, relative to imposing penalties which would deter violators of the law from repeated offenses. As long as the courts follow the practice of imposing suspended sentences in a large percentage of cases, as at present, just so long will some employers persist in repeated violations of the law. There is no doubt in the minds of those associated in this work that if the courts would impose the penalties provided by law, and which are consistent with the violations committed, they would have great influence in stamping out violations of the Labor Law.

HEALTH AND SAFETY ORDERS

The magnitude of the number of orders issued is not generally realized even by those who are interested in the work of the Inspection Bureau. The present system of statistical tabulation of orders issued and compliances secured enables the bureau to keep in close touch with the progress we are making in our work for the promotion of health and safety.

The following tabulation will show very clearly the number of orders issued and compliances secured with health and safety orders in the Factory Inspection Bureau from October 1, 1918, to June 30, 1919. A study of these figures will reveal that

excellent progress has been made toward the protection of employees in our manufacturing establishments. This table shows that in the past six years there were compliances secured with 1,018,268 orders. It also shows there were issued in the last fiscal year 160,631 orders. To comply with this vast number of orders necessitated the expenditure of a very large sum of money. The figures show an increase of 24,928 orders in the last fiscal year over that of the previous year, a large part of which (or 20,002) were accident prevention orders. This large increase in this class of orders was caused by the adoption of the new machinery code, which went into effect on July 1, 1918.

ORDERS ISSUED TO FACTORIES BY THE BUREAU OF INSPECTION, AND COMPLIANCES THEREWITH, IN NEW YORK STATE FROM OCTOBER 1, 1913, TO JUNE 30, 1919, BOTH INCLUSIVE.

WHOLE NUMBER OF ORDERS AND COMPLIANCES

FISCAL YEAR	Orders	Compliances
Oct. 1, 1913-Sept. 30, 1914.....	287,893	179,826
Oct. 1, 1914-Sept. 30, 1915.....	162,968	135,697
Oct. 1, 1915-June 30, 1916.....	*116,399	*125,889
July 1, 1916-June 30, 1917.....	173,932	206,625
July 1, 1917-June 30, 1918.....	135,703	152,361
July 1, 1918-June 30, 1919.....	160,631	155,746
Total.....	1,038,576	1,956,144

ORDERS AND COMPLIANCES RELATING TO—

FISCAL YEAR	SANITATION		ACCIDENT PREVENTION	
	Orders	Compliances	Orders	Compliances
Oct. 1, 1913-Sept. 30, 1914.....	74,359	44,094	70,768	40,296
Oct. 1, 1914-Sept. 30, 1915.....	41,418	34,247	50,742	38,129
Oct. 1, 1915-June 30, 1916.....	*32,038	*31,914	*36,483	*41,634
July 1, 1916-June 30, 1917.....	53,555	63,201	46,288	60,486
July 1, 1917-June 30, 1918.....	48,735	54,849	39,730	47,475
July 1, 1918-June 30, 1919.....	55,486	53,658	59,732	56,379
Total.....	305,591	†281,993	303,743	†284,389

*For nine months, the fiscal year having been changed by law from October 1-September 30 to July 1-June 30.

† The 62,124 orders noted above, in which cases the legal power of the Department of Labor to exercise official authority ceased prior to May 1, 1916, comprise 16,179, 8,323, 31,393, and 6,229 orders relating, respectively, to sanitation, accident prevention, fire protection, and all other subjects, making the total compliances for sanitation 298,172; accident prevention, 292,712; fire protection, 171,251; all other subjects, 256,133.

‡ Exclusive of 62,124 orders (issued and acted upon previous to May 1, 1916, since which date similar orders have been recorded as complied in the monthly and annual reports of the Department of Labor), in which jurisdiction was transferred by law to New York City departments or the illegal conditions ceased by reason of modifications in the Labor Law and Industrial Code, removals, fires, or accompanying circumstances such as to make the original orders no longer necessary to be enforced by the Department of Labor. These figures bring the aggregate number of orders disposed of up to 1,018,268, leaving a total of 20,308 orders outstanding on July 1, 1919. Included in these 20,308 uncompiled orders are 4,064 orders that were issued in the month of June, 1919, and the impossibility of securing compliance with the major portion of these latter orders before July 1st is readily apparent.

ORDERS AND COMPLIANCES RELATING TO —

FISCAL YEAR	FIRE PROTECTION		ALL OTHER SUBJECTS	
	Orders	Compliances	Orders	Compliances
Oct. 1, 1913-Sept. 30, 1914.....	100,305	58,947	42,461	36,499
Oct. 1, 1914-Sept. 30, 1915.....	33,710	27,378	38,098	35,943
Oct. 1, 1915-June 30, 1916.....	*18,433	*22,699	*29,445	*29,612
July 1, 1916-June 30, 1917.....	9,684	17,481	64,455	65,457
July 1, 1917-June 30, 1918.....	6,022	8,397	41,216	41,640
July 1, 1918-June 30, 1919.....	4,866	4,956	40,757	40,753
Total.....	172,810	†139,858	256,432	†249,904

* † See Footnote on Page 40

ACCIDENT PREVENTION

The Division of Factory Inspection has continued its vigorous policy relative to accident prevention, which was instituted in 1915, and as a result thereof we have secured most satisfactory results as regards the installation of safeguards and the removal of industrial hazards. During the fiscal year we have secured the same satisfactory results as prevailed during the previous years, the division having secured compliance with 56,379 accident prevention orders during the fiscal year.

In the main we have had the co-operation and assistance of the manufacturers of the State in this campaign to make industry safe, as far as it is possible to do so, by providing proper safeguards. Still, in many instances, we are compelled to send notice threatening to tag the machinery as unsafe unless the orders are complied with. It is to be regretted that we still have some manufacturers who will do nothing, until forced to do so, in the line of safeguarding.

TAGGING UNSAFE MACHINERY

The provisions of section 81 of the Labor Law empower the bureau to tag as unsafe machinery which is dangerous and unguarded. This power of the law is a very effective means for securing compliance with many orders relative to accident prevention. When the orders are issued there is a time fixed in the notice for compliance. If the orders are not complied with when the inspector visits the premises on the date stated in the original order, which visit cannot be before the time set in the notice, the inspector must see some person in authority and learn

the reasons for failure to comply and report the same to his superior. Then a machinery tagging letter is issued, fixing a definite date for compliance. Should the order be not complied with on the date fixed in the machinery tagging letter, the unsafe tag is applied to the machinery and its use prohibited.

During the fiscal year we issued 59,732 orders for accident prevention and secured 56,379 compliances. In connection with securing these compliances, we wrote 3,945 machinery tagging letters, but were compelled to apply the unsafe tag in only 619 instances during the fiscal year, as against 933 instances in the previous year.

Although we secured a larger number of compliances with accident prevention orders, there being 8,904 more compliances than the previous year, there was a reduction of approximately one-third in the number of unsafe tags applied. This is an indication that employers realize the importance of this class of order, and that by the elimination of industrial hazards injuries can be reduced, human suffering and industrial waste prevented, with enormous saving to the employers and working people of the State, resulting in increased efficiency and added wealth to the people of the State generally.

There were 87 prosecutions for failure to comply with accident prevention orders. The prosecutions were in instances where the orders were such that it was not practicable to apply the unsafe tag.

In my last report the type of machinery which it was necessary to tag as unsafe was shown. The list for the past year is practically the same.

SERVING NOTICE ON THE EMPLOYEE

During the past fiscal year we have served the following notice in all instances where the inspectors find an employee operating any machine for which a safeguard had been provided by the employer and the guard was not used by the operator:

<hr/> <p>Name of Employee</p> <hr/> <p>Home Address</p> <hr/>	<p>DEPARTMENT OF LABOR STATE INDUSTRIAL COMMISSION Bureau of Inspection JAMES M. LYNCH, Supervising Commissioner 230 Fifth Ave., New York City</p>
---	--

New York City, _____

You are hereby directed to replace guard on _____

Name of machine	Location
-----------------	----------

in establishment of _____

Name of employer	Address
------------------	---------

found on above date by an inspector of this Department being operated by you without guard attached or properly adjusted to the work, in violation of Section 81 of the Labor Law and Rule 876 of the Code on Dangerous Machinery, said operation constituting a misdemeanor for which both employer and employee may be held responsible.

If any person is found operating said machine at any time in the future without guard properly attached, both employer and employee operating the machine will be subject to prosecution without further notice.

STATE INDUSTRIAL COMMISSION,

PERSONAL SERVICE

By, _____
Inspector

First Deputy Commissioner
In charge of Inspection Bureau

In all instances it was required that the guard be in good condition and for this reason there was no good excuse for the employee failing to use such guard before said notice could be served. If the guard was not in good repair the employee was relieved of responsibility and the employer was given orders to repair and replace such guard. In all instances where the guard was in good condition and the operator was using the machine with the guard detached, the order was issued to immediately replace the guard and compliance with this order was immediately demanded in the presence of the inspector and the above notice served on the employee.

Although we were compelled to issue many thousands of safety orders, it is gratifying to say that the inspectors found but 54 instances in which machines were operated with a proper safeguard detached, or not in use, necessitating the serving of this notice. This demonstrates that if machinery is guarded the employees are willing to do their part and use the guards for their protection. In this respect there has been a great improvement on the part of the employees. While it is true that in some instances we find that employees object to using a machine with a safeguard attached, it is due in most instances to the faulty construction of such guard. Generally speaking, when proper

guards are provided the employees are more than willing to keep them properly attached to the machines so as to afford them protection from injury.

In this connection permit me to say that it is most important that guards be properly designed and constructed, and it is important to know that the inspection force has rendered very efficient service in having safeguards installed of proper design and construction, which are effective in reducing the number of preventable injuries.

EDUCATION AND SAFE PRACTICES

Although our work relative to safeguarding and accident prevention is in very satisfactory condition, that is not all that can or should be done in order to prevent or reduce industrial injuries. In this connection I wish to call attention to my former recommendation to the Industrial Commission relative to the necessity for broadening the provisions of the law so as to give the Commission sufficient power to require the installation of safeguards and safe practices in hazardous industries. By hazardous industries we mean those that are shown to be causing industrial injuries (from records of the Commission relative to injuries reported by all industries of the State).

It would appear at first glance that section 20-b of article 2 gives the Commission all the power necessary, and it no doubt does, as far as the provisions of chapter 36 of the Laws of 1909, constituting chapter 31 of the Consolidated Laws, as amended, apply to the industries of the State; but the reports show there are many injuries which come under the Compensation Law and are not covered by the inspection force as are those industries provided for by chapter 36 of the Laws of 1909.

Last year attention was called in my report to the fact that of the industries of the State coming within the forty-five groups of the Compensation Law, only twenty-five of such groups were subject to inspection in whole or in part by the Inspection Bureau. Many of those not inspected are the most hazardous, with many unsafe practices in vogue and with cranes, tools and appliances that are productive of serious accidents, because they are not subject to inspection but are permitted to be operated while in hazardous condition. The industries for which there is no pro-

tection or regulation have a very large number of employees who are subject to the perils of hazards which are common to the industries.

In connection with a campaign of education for the elimination of industrial accidents, permit me to earnestly urge that the Commission endeavor to secure sufficient funds from the Legislature to inaugurate a vigorous educational policy for the elimination of industrial injuries by means of moving pictures and lectures in industrial centers of the State. This would be a campaign to instruct plant managers and workers in the principles of safe practices, as it relates to their work in particular and to industry generally.

We are fast reaching the point where we will have the industries to which the law applies reasonably safe, as far as safeguarding the machinery is concerned, and in order to make the progress that can be made to safeguard the workers of the State we should take up this work of properly educating the workers in safe methods of doing the job for which they are employed. This line of work affords a broad field for effective attention and instruction, which would be productive of beneficial results to the workers and the State far in excess of the amount of money required to inaugurate and carry on the work.

This work should be under the direction of the Inspection Bureau, for they have a vast fund of experience relative to many of the hazardous and unsafe practices as they relate to the various industries of the State.

In the direction of this work much could be done to raise the standard of efficiency of the workers, and in a very short period this plan of educational work would clearly demonstrate that the number of maimed and injured would be very greatly reduced, and the saving due to such reduction in the industrial injuries would be many times greater than the amount of money necessary for the State to spend in order to carry on this work. It does not seem necessary to outline the amount of money required as a separate report relative to the details of the requirement will be made to the Commission.

We all realize the meritorious results to be achieved by the installation of safeguards, but this is only the primary step, and

with it must go the clear vision and vigorous policy of education relative to safe practices in the industry before we can hope to realize the maximum reduction of industrial accidents or injuries that can be achieved.

INSPECTION BUREAU ASSISTING MANUFACTURERS

Many manufacturing establishments in this State have provided very creditable safety organizations within their establishments, but plants having such equipment are, when compared with the great number of establishments in this State, few in number. Therefore, in most of the factories in the State the Inspection Bureau is the only agency which is available to the manufacturers to promote the work of installing safeguards and educating the employees in safe practices.

In the past four years very creditable work has been accomplished relative to instructing our own inspection force in the latest developments in safeguarding against industrial hazard and the promoting of safe practices in industry, as both of these apply to the numerous industries and processes in the State. We are carrying on this work continually, and today we believe that our force is as well informed on the different phases of the industrial problems as they exist generally, and in this State particularly, as any inspection force that exists. Far too many of the employers of the State know very little relative to the practical methods of installing safeguards and promoting safe practices in their industries. Many of them cannot afford to employ persons who do know. In many instances the magnitude of the business does not warrant such expense; consequently, they look to the Bureau of Inspection for assistance in this line of work. The number of firms who avail themselves of the experience and knowledge of the Inspection Bureau is increasing each year and this practice on the part of manufacturers is productive of most excellent results. Many manufacturing establishments that are contemplating moving to new premises will not do so until they have learned from the Inspection Bureau whether the new premises are in compliance with the Labor Law and they have, in most instances, requested the bureau to assist them in the layout of machinery and equipment in such manner as will be in compliance

with the law and promote the safety and efficiency of their employees. All of this work has been most beneficial to the State and of considerable assistance to the manufacturers. It has a tendency to promote safe conditions which will accrue to the benefit of the workers, the employers and the State by obtaining legal and safe conditions.

We should have a sufficient force to develop this line of work for the field is vast and its possibilities almost unlimited. Experience shows that many industries are productive of a large number of hazards and injury, due to the poor arrangement of the machinery and equipment and the lack of knowledge on the part of those conducting the business relative to the ordinary first principles of safe conditions or practices.

All assistance of this type that we can render the manufacturers is work in the right direction, and we can see that those conducting manufacturing establishments are experiencing a change in their attitude toward the Bureau of Inspection. Instead of a feeling that the inspector is making a visit to the plant which would ultimately cause the manufacturer to spend money to carry out the orders given by the inspector in order to make the premises comply with the law, he is anxious to obtain the assistance of the inspector in applying the knowledge and experience of the Inspection Bureau relative to his particular industry, realizing that by adopting the practical suggestions offered as a result of such experience, he will save money in arranging and equipping his plant and also save money and prevent human suffering by eliminating the possibilities of injury to his employees.

EXHAUST SYSTEMS

In applying the provisions of the law relative to the removal of dust, gases and fumes, we have found that many exhaust systems which have been installed are inefficient, so far as performing the work required of them or remedying the conditions as they exist. In many instances they are improperly constructed, and in other instances they fail to operate the fan to its capacity and thus the system fails to do the work for which it was installed. We have found in the past many persons having very meagre engineering experience attempting to install exhaust systems, with

the result that the system was a failure; a compliance with the law was not secured and the manufacturer was displeased, having paid for something that was not satisfactory or efficient. In providing a system where grinding and polishing is done, the piping and the hoods must be so constructed as to permit the many varied lines of work being done in a practical and efficient manner. For this reason much depends upon the construction of the piping and the hood in order to provide an efficient equipment.

In view of our experience we have, during the past fiscal year, changed our form of order relative to exhaust systems. Incorporated with the order is the requirement for the filing of plans of the exhaust system with the Inspection Bureau, in order that such plans may be approved before starting the work. This requirement has enabled the bureau to exercise some control over the kind of construction to be installed and has been productive of very good results. It enables us to apply the experience we have gained in this line of work to the layout of proposed installations, and thus protect the manufacturers from the imposition of inexperienced contractors; and, in some instances, from willful contractors, who, in order to save money or make more profit, will construct a system which is inefficient or useless. Having control over the approval of the installation has resulted in a better type of installation and has proved very satisfactory in many instances. When the plans are filed by a contractor or a firm and the same are disapproved, the firm and the contractor are informed of the defect, as set forth in such disapproval. This has served as a check on the installation of improper systems by contractors. In the past some contractors, after plans have been disapproved, would proceed to make the installations with serious defects. By this method we have saved money and trouble for the manufacturers, and the plan has resulted in better systems being installed. We have thus secured proper compliance with the provisions of the law.

NEW MACHINERY

For the past four years the Inspection Bureau has followed the practice of calling the attention of all machinery builders, whose machinery is installed in New York State, to any hazard which

can be properly guarded on such machinery. The inspectors of the bureau are required to report all new machinery, installed since last inspection, which shows hazards that can be guarded by the manufacturers of the machinery. This plan has produced the most satisfactory results. While we have written many letters during the time this plan has been in vogue, I wish to testify that the machinery manufacturers have co-operated with the bureau, and in every instance have signified their willingness to so construct these machines as to eliminate hazards. We have been following this practice long enough to see the beneficial results; for much of the new machinery being installed is guarded by the manufacturers as far as possible, consistent with the kind of work performed by the machines.

ADDITIONAL INSPECTION

Through the introduction of the block system and the other improvements made in the method of performing the work which must be accomplished by the Inspection Bureau, we have reached the maximum of effort that can be expected of the divisions of the bureau with the force of employees that we have at our command.

The record of industrial injuries and the experience of the Inspection Bureau as to the nature and magnitude of the industries of the State will clearly indicate the necessity of increasing the number of inspectors in order to enable the bureau to properly enforce the laws which are enacted, with the enforcement of which the Inspection Bureau is charged. In addition to the laws we are compelled to enforce, there are very great possibilities for development of the industries of the State as to accident prevention, health protection and industrial efficiency. It seems regrettable that the Legislature does not provide sufficient funds to cope with the problem in hand and enable the bureau to disseminate the knowledge and experience it possesses relative to the industries of the State for the benefit of employers, employees and the people of the State generally. Therefore, I would urge that the force be increased to a point where it will be in keeping with the task in hand, and that we impress upon the Legislature of our State the fact that this will not be an expense or a burden

upon the people, but it would be productive of conditions which will mean the elimination of injuries, human suffering and financial loss to the manufacturers and the people of the State.

CONCLUSION

I wish to express my appreciation of the services rendered by the field and office forces, who have had to render their duties under trying circumstances owing to lack of sufficient help to cope with the volume of work in hand and the further fact that they could not receive remuneration in comparison with salaries paid outside of the State service. This is a very serious state of affairs, for it has resulted in the loss to the bureau of many experienced and trained employees who have accepted better remunerated positions elsewhere.

JAMES L. GERNON,

First Deputy Commissioner.

(2) REPORT OF DIVISION OF MERCANTILE INSPECTION

To the First Deputy Commissioner:

Herewith is submitted the annual report of the Division of Mercantile Inspection for the year ending June 30, 1919, with accompanying tables showing in detail the work of the division. This completes the eleventh year's work of the Mercantile Division. Comparing this report with those of former years will show the progress made.

COMPLAINTS

During the 1918-1919 fiscal year a total of 1,191 complaints were received and investigated, of which 547 were sustained; these related to: Posting of laws, permits and notices; toilet facilities; dressing rooms; cleanliness or repair of salesrooms; running hot water; meal time; illegal employment of children; illegal employment of women; seats for women; day of rest; 25-B mattress law; payment of wages.

CHILD LABOR

According to the attached tables, reports by our district inspectors and personal observation, more children are being employed legally and illegally than for several years; labor and living conditions are responsible for this. Many employers, when confronted with the law on this subject, state that the high rate of wages demanded by the adult compels them to employ children. In many instances, parents have told us that necessity has compelled them to put their children to work, as the income received by the head of the household fails to meet the needs of the family owing to the high cost of living. The salary of children at the present time exceeds those formerly paid the adult; an added reason for the increased employment of children. As a rule children are now receiving from \$10 to \$12 per week; in bootblack establishments and hotels, with tips, they receive as high as \$25 per week. Neither warning from our Department nor the courts

are always effective upon violators of the child labor law. The imposing of a severe fine by the courts on such violators so far has proved the only deterrent. With an increased force of inspectors we would be better able to cope with this growing tendency to violate the child labor law.

HOURS OF LABOR FOR FEMALES

We still continue to find violators of the provisions of the law regulating the hours of females in mercantile establishments and restaurants. These violators are found almost entirely among the small mercantile establishments which have a strictly local trade. Among the larger and more progressive establishments the tendency is toward a shorter working day. The custom now prevails, throughout the State, of closing all mercantile establishments one-half day during the week for the months of June, July and August. During the summer months, in the larger cities, the principal establishments close the entire day Saturday. Through the medium of the Rochester Chamber of Commerce, the merchants of that city have agreed that their employees shall not work more than eight hours on any day of the year.

Owing to the failure of the law to provide for posting a notice regarding the time of beginning, ending and the total hours of labor per day for females employed in restaurants, we find difficulty in obtaining legal evidence for a successful prosecution of the violators. A bill remedying this omission of the law was proposed at the last session of the State Legislature, but failed to pass. I believe, however, that the State Industrial Commission has power to make a rule compelling proprietors of restaurants to post such a schedule. Such power is contained in the following section 20-b which reads:

20-B. "Protection of employees. All factories, factory buildings, mercantile establishments and other places to which this chapter is applicable, shall be so constructed, equipped, arranged, operated and conducted in all respects as to provide reasonable and adequate protection to the lives, health and safety of all persons employed therein. The industrial board shall, from time to time, make such rules and regulations as will carry into effect the provisions of this section."

The court actions started to test the constitutionality of the provisions of the Labor Law relating to the hours of labor of

females working in restaurants and our right to apply the provisions of article 12 and section 8-a to drug store employees are still pending. The Court of Appeals not having handed down its decision, in the interim we are insisting upon the compliance with the sections in question.

MEAL TIME

Subdivision 3, section 161, should be changed so as to allow employees working after 7 p. m. at least 45 minutes for supper, instead of 20 minutes which is now granted, as this amount of time is insufficient.

SECTION 8-A

The difficulty of enforcing the provisions of the "One Day of Rest in Seven Law" is somewhat lessened by the action of those organizations whose members work on Sundays, but which now require their members to make agreements that will give employees one day of rest in seven. This applies to those working in grocery, butcher and delicatessen shops. There is, nevertheless, a need for constant surveillance of clerks in establishments whose employees are not organized. The force of this division has never been large enough to secure a proper enforcement of section 8-a throughout the State.

SANITATION

The necessity for providing means for heating, lighting, ventilating and general sanitary conditions in offices has long been recognized. It would also be of great benefit to both the employees and the general public if the provisions of article 12, relating to sanitary conditions in mercantile establishments, were extended to include lunch-rooms and restaurants, especially outside of Greater New York. The action of the State Industrial Commission in amending the sanitary code, fixing the responsibility for complying with sanitary orders issued by this Department, has been of great value as we have been able to successfully prosecute a number of persistent violators.

The 1919 session of the New York State Legislature made a number of additions and amendments which affect the Mercantile

Division. The definition of mercantile establishment was amended to read as follows:

The term "mercantile establishment" means any place where one or more persons are employed, where goods, wares or merchandise are offered for sale and shall include any building, shed or structure, or any part thereof, which is occupied in connection with such establishment.

Article 12-a relating to employment in elevators was added by chapter 544. This reads, in part, as follows:

No female minor under the age of eighteen years shall be employed or permitted to have the care, custody or management of or to operate an elevator, either for freight or passengers, in any building or place within the State. A female of the age of eighteen years or upwards shall be deemed a woman within the meaning of this article.

No woman shall be employed or permitted to work, in caring for, having the custody or management of or operating any such elevator more than six days or fifty-four hours in any one week or more than nine hours in any one day; nor before seven o'clock in the morning or after ten o'clock in the evening of any day; and not less than forty-five minutes shall be allowed for the noon-day meal for females in employment specified in this section.

Suitable seats shall be provided and maintained for females in employment specified in this section.

A notice regulating the hours of labor of females employed in elevators shall be posted in a conspicuous place in the elevator or over or near the main or ground floor opening thereto. Such notice shall not be changed after the beginning of labor on the first day of the week without the consent of the Commission.

Washrooms, washing facilities and water closets shall be provided and maintained for the use of all employees, whether men, women or children, mentioned in this section."

An act to amend the Labor Law, in relation to the powers of the Commission:

Section fifty-nine of chapter thirty-six of the Laws of nineteen hundred and nine is amended by chapter one hun-

dred and forty-five of the Laws of nineteen hundred and thirteen, to extend the general powers and duties of the Commission, relating to the provisions of Article 12 of the Labor Law, to include all cities. Heretofore the powers of the Industrial Commission to enforce the provisions of Article 12 of the Labor Law, included only cities of the first and second class.

An act to amend the Labor Law, in relation to employment of women on street, surface, electric, subway or elevated railroads:

Article twelve of chapter thirty-six of the Laws of nineteen hundred and nine, entitled "An act relating labor, constituting chapter thirty-one of the Consolidated Laws," is hereby amended by inserting therein a new section, one hundred and sixty-one-d:

"Section 161-d forbids the employment of females under the age of twenty-one years, in any street, surface, electric, subway or elevated railroad. It forbids the employment of females over twenty-one years for more than six days or fifty-four hours in any one week, nor more than nine hours in any one day, nor before six o'clock in the morning nor after ten o'clock in the evening of any day, which daily hours shall be the period between the time of reporting for duty at the car barn, etc., and the time when the employee is released for the day. Not less than one hour shall be allowed the employees specified in this section for meals; a printed notice showing the number of daily hours of labor for each day in the week of the employees enumerated in this section shall be posted in a conspicuous place in each terminal.

Section one hundred and sixty-eight-b, relating to drinking water; section one hundred and sixty-eight-c, relating to wash basins and section one hundred and sixty-eight-e, relating to water closets, shall also apply to the employment specified in this section."

The provisions of the one day of rest in seven law have been made to apply to all elevator employees, males as well as females.

RECOMMENDATIONS

It is recommended that the provisions of section 161-3, relating to restaurants, be amended so as to include all cities.

It is recommended that section 162 of article 12 of the Labor Law relating to the employment of children be amended. At present this section reads as follows:

No child under the age of fourteen years shall be employed or permitted to work in or in connection with any mercantile or other business or establishment *specified in the preceding section.** No child under the age of sixteen years shall be so employed or permitted to work unless an employment certificate, issued as provided in this article, shall have been theretofore filed in the office of the employer at the place of employment of such child.

Originally section 162 was preceded by section 161, but sections 161-a, 161-b, 161-c and 161-d have been added and section 162 is now preceded by section 161-d; consequently the words "specified in the preceding section" have lost their original purpose; therefore, I would recommend that section 162 be amended to read as follows so as to re-establish the original intention of this section:

No child under the age of fourteen years shall be employed or permitted to work in or in connection with any mercantile or other business or establishment specified in section 161. No child under the age of sixteen years shall be so employed or permitted to work unless an employment certificate, issued as provided in this article, shall have been theretofore filed in the office of the employer at the place of employment of such child.

It is recommended that article 12 be amended forbidding the employment of children under 16 years of age as elevator operators in mercantile establishments, hotels, apartment houses, office buildings, and so forth.

It is recommended that at least ten more inspectors be assigned to this division, as with our present force we are unable to make a full and systematic inspection as is required by the provisions of article 12, relating to mercantile establishments; article 12-a, relating to operation of elevators; section 8-a, relating to day of rest and the provisions of 25-b, of the General Business Law, relating to the sale and manufacture of mattresses.

* Italics not in original.

It is recommended that forty-five minutes be allowed employees required to work in mercantile establishments after 7 p. m., for supper.

It is recommended that the provisions of section 8-a be changed to include within its scope all classes of employees now compelled to work seven days a week.

It is recommended that all of the provisions of article 12 be extended to apply to all establishments enumerated in section 161 of article 12 of the Labor Law.

GENERAL REMARKS

The action of the Industrial Commission in making the provisions of the Industrial Code relating to lighting, and those relating to guarding machinery, applicable to mercantile establishments has proved very beneficial, as in many instances we are enabled to remedy the unsafe conditions.

The section of the law passed by the 1918 session of the Legislature forbidding the employment of females under 21 years of age as messengers gave us very little trouble, as the companies employing messengers readily complied with its provisions.

The Industrial Code relative to guarding elevators and elevator shafts, when adopted, will afford additional protection to the lives and limbs of many mercantile employees as at present we are powerless to remedy many unsafe conditions. As there is an urgent need for the power proposed in the elevator code, I trust that same will be given to us in a very short time.

CHARLES B. ASH,

Chief Mercantile Inspector.

(3) REPORT OF DIVISION OF HOMEWORK INSPECTION

To the First Deputy Commissioner:

Herewith is respectfully submitted the report of the Division of Homework Inspection for the year ending June 30, 1919.

The record of services performed by the inspection force of this division varies but little from that reported for the preceding year. There has taken place no change in the law. There has been no addition to the personnel of the division.

The statistical results given herein indicate quite definitely the various activities of the division for the year just closed. The number of homeworkers reported for the whole State shows a slight falling off from the number found employed the year previous. A slight increase (165 houses) is shown in the total number of licensed buildings for this year. Observation reports of dwellings and unlicensed houses show an increase of 1,759. This increase comes mainly from up-State sections and represents investigations of the lists of manufacturers' outside-hands in mill towns. This work has largely increased the total number of non-tenement or dwellings given in our report in which homework was found going on.

Right here I must again enter protest against the exemption of the so-called dwelling house from the operations of the law regulating homework and by reiteration emphasize what I said last year in my report that "In my opinion the law should be so broadened that we would have the legal right when necessary to protect the public from dirt and disease coming from the home in dwelling houses as well as when coming from tenement houses. We should also have the legal right to deal with the child labor question whenever and wherever abuses are met with in such places."

There is no valid reason why this change should not be made in the law except the old one of the "cost of inspection" and this is an excuse that is not valid when sanitation, cleanliness, and the public health is considered. I fear that the real underlying reason why this authority is not extended is objections by large mill owners who are making good use of the dwelling house homeworkers in many places and in many lines of industry outside of New York City.

The table gives the number of this class of houses found, as well as the places in which they are located. On July 1, 1918, the record shows a total of 17,175 licensed buildings in the State. The inspection report shows that 8,292 houses of this number contained no workers at the time of inspection. This is practically one-half of the whole number of all licensed houses. Inquiry showed that this unusual condition was due to the fact that many homeworkers had found other employment for which the compensation was more attractive, also that many homeworkers had stopped work for the reason that the head of the family was able to obtain steady employment and better wages, thus enabling the wife to get along without this extra labor in the home. The demand on the part of the manufacturers and contractors for help of this class of workers has never been so great as at present, consequently there never was a time when the homemaker was better able to exact a fair price for such work.

Experienced workers on embroidering waists and blouses were found to earn as high as \$35 per week and this work is not seasonal. A slight investigation made by the inspectors into the subject of earnings at the present time of homeworkers on articles of ready made clothing on the lower east side show a large increase over pre-war prices. Little information could be obtained from the worker direct for as a rule they all deny any large earnings at all, but investigation of the pay-roll and returned checks of the firms who employed them showed a weekly wage of upward of \$20 and as high as \$30 per week by experienced hands and on winter overcoats the wages was found to be from \$25 to \$40 per week. Of course the intermittent worker and the poor hand did not reach these figures. The prices paid four or five years ago for finishing ready-made pants ranged from 3 cents per pair for the cheaper grades to 9 cents per pair for the better grades. At the present time the prices range from 6 cents to 16½ cents per pair. The prices paid in Brooklyn are about the same as are paid in New York. Inquiry in Rochester from both the worker and employer show an equal advance in prices for homework on same articles. Neckwear prices have gone according to grade from 42 cents to 45 cents per dozen in 1915 to 70 cents and \$1.20 at the present time.

Some years ago the Department of Labor made quite an extensive investigation into the subject of homework in the clothing and other trades, which report was quite extensively commented on at the time (1902). I append one table taken from that report showing the weekly earning of homeworkers at that time and a brief table from my own incomplete investigation giving the present day wage rates for practically the same class of articles or line of work. I felt that such a report might be of interest to those who are interested in the question of homework.

In any consideration that may be given to this subject, it should be clearly understood that the work done in the home is not "making" the article or garment, as that term is generally understood, or as it applies to employment in the shop, but is "finishing," which is that part of the work of completing the article that cannot be run through a machine in the shop by a regular operator, and is all hand work. No work (especially articles of clothing) is sent out to homeworkers to be completely made up (excepting custom made work) that can be done by machine in the shop by the regular shop operators. Therefore, the term "making" and "finishing," used in describing this class of work, are not at all synonymous and should never be confused in their application to shop work. In custom clothing work there is no worker known as a finisher for the reason that the custom worker is, and of necessity must be, a mechanic who is able to wholly construct and consequently must himself finish the article constructed. The price is fixed for homework by the grade or quality of the article and by the amount of work to be done on it, also by the honesty of the employer.

EARNINGS OF HOMEWORKERS IN NEW YORK CITY IN 1902
(From the Department Report of 1902)

Family number	KIND OF WORK		WEEKLY EARNINGS	
			Busy Season	Slack Season
190.....	Finishing coats.....	Page 103	\$3 24	\$1 92
191.....	Finishing coats.....	"	4 04	2 10
263.....	Finishing pants.....	Page 113	6 00	6 00
265.....	Finishing pants.....	"	2 65	2 15
954.....	Flowers.....	Page 146	4 50	2 00
960.....	Flowers.....	"	9 00	3 00
1000.....	Neckwear, men's.....	Page 149	6 97	1 07
1001.....	Neckwear, men's.....	" 71	10 61	4 07
1007.....	Shirtwaists.....	" 71	8 00	4 00

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KIND OF WORK	RATE OF PAY		Weekly earnings per worker
	Per	AMOUNT	
		1914	1919
<i>Finishing men's cords</i>			
Reported by homeworkers, Manhattan....	Garment	\$0 15	\$0 24
" " " "	"	20	26
" " " "	"	20	40
" " " "	"	30	60
" " Brooklyn.....	"	10	17
<i>Finishing overcoats</i>			
Reported by homeworkers, Manhattan....	"	08	20
" " " "	"	10	22
" " " "	"	15	26
" " " "	"	20	30
Reported by contractor No. 5, Manhattan.	"	13-17	35
" " " 6,	"	18-18	35
" " " 7,	"	15-17	30-40
<i>Finishing men's sack coats</i>			
Reported by contractor No. 1, Manhattan.	"	09-10	20-24
" " " 2,	"	09-12	18-24
" " " 3,	"	10-12	24-35
" " " 4,	"	16	35
<i>Finishing pants</i>			
Reported by homeworkers, Manhattan....	Pair	03-04	06½-10
" " " "	"	03-06	09-10
" " " "	"	05½-06½	09
" " " "	"	06	10
" " Brooklyn.....	"	05½-06	10-12
" " " "	"	06-06½	11-14
" " " "	"	06-07	10
" " " "	"	07	14-15
contractor No. 8, Manhattan	"	08-04	06-09
" " " 9,	"	03-06	06-11
" " " 10,	"	03-06½	07-12
" " " 11,	"	05½-06	10
" " " 12,	"	05½-06	12
" " " 13,	"	06-06½	11
" " " 14,	"	06-07	10
" " " 15,	"	06½	13
" " " 16,	"	09	16½
<i>Making vest backs</i>			
Reported by homeworkers, Brooklyn.....	Hundred	1 50	2 25
contractor No. 19,	"	90-1 10	2 25-2 50
<i>Making men's neckwear</i>			
Reported by homeworkers, Brooklyn.....	Dozen	42-45	70-1 20
" " " "	"	70	1 40
<i>Finishing artificial flowers</i>			
Reported by homeworkers, Brooklyn.....	"	00½	00½
" " " "	"	02	03
" " " "	"	02	03½
" " " "	"	03½	04½
" " " "	"	08½	09½
" " " "	"	09½	17
" " " "	"	10½	16½
" " " "	"	30	35
" " " "	Gross	02	05
" " " "	"	02½	05
" " " "	"	15	17
" " " "	"	15	24
" " " "	"	25	35
" " " "	"	25	40
" " " "	"	25	45
" " " "	"	40	50
" " " "	"	1 25	2 00
" " " "	"	1 80	2 40
" " " "	"	3 50	6 00

CHILD LABOR IN THE HOME

Attention is respectfully directed to the figures in the table covering child labor in the home.

The total number of children under 16 years of age found at work in the home and who were reported by the field force was 744, of whom 567 were females and 177 were males. The ages of these children ranged from 3 years to 15 years and 10 months. Of this number 667 were found to be illegally employed on articles coming under the law.

The ages of these children are grouped showing the number in each year from the youngest child up to and including those in their fourteenth year. One hundred and forty children reported were above 14 but under 16 years of age and held no employment certificates. The hours at which the inspector found the children at work are also given.

We feel quite certain that these figures do not represent all of the children who work in the home on factory articles. With the limited number of inspectors placed under our charge we have done all possible to enforce the complicated requirements of this feature of the law. I include in this report a few of many letters received from employers showing their attitude on the matter of child labor in the home. I attach copy of letter of instructions issued by me to the inspectors on this same subject; also a number of reasons given to the inspectors by the parents of children found working, together with brief reference to family conditions existing in the home where the child labor was found.

New York City, May 19, 1919.

To all homework inspectors.

Again I desire to direct your attention to the subject of children found employed on articles for a factory in homes in tenement houses. The records in this office show for the months of March, April, and for May up to date that 203 children under 16 years of age have been reported to this office by the field force of this Division. This is a large number of children to find in this line of employment. I charge each inspector to be vigilant and critical in their observation and inquiries in all cases where children are found employed in their homes. Get at the basis or cause for the child working. Find out who is responsible and whether the employment is forced or voluntary to keep child in check or off the street, etc. If of school age, look into the school attendance of the child. If you learn that the employer who furnishes the articles on which

the child is found employed has personal knowledge that the child was to do the work, or has in any way made himself legally responsible for the employment of the child or has connived with the parent or any one else to secure the services of the child, be sure and so state.

Set forth all that you learn by your inquiries in a clear and concise manner. Be very careful to have all data correct for if the facts reported by you are deemed sufficient to warrant the prosecution of the person or persons responsible for the illegal employment of the child the matter will be taken to Counsel. Always give your report on the reverse side of the C. L. card under head of "Remarks". The cards were prepared for this purpose. If your report should extend beyond the space on one card use the back of the second one by fastening both cards securely with clips so as to keep report intact.

Respectfully,

DANIEL O'LEARY,

Chief, Division of Homework Inspection.

LETTERS FROM EMPLOYERS

New York, ——— 1918.

DEAR SIR.—We are in receipt of your favor of Nov. 6. Referring to the party living at ——— street, we have her on our books under the name of ———. She has repeatedly told us that she does all the work herself, for we make it a point of asking all our homeworkers not to let the children do any of it. We thank you for bringing to our notice the fact that she has given the work to her younger sister, which she did without our knowledge. As we cannot rely upon her statements, we have decided not to give her any more work.

Yours truly,

.....

New York, ——— 1919.

GENTLEMEN.—We received your letter of the 19th informing us that it was against the State child labor law for young children to work at home as was found in the home of Mrs. ——— of Lafayette street, New York, whose daughter ——— 9 years of age was assisting her in making some of our work.

In the future, however, we will refuse to give her any more work and to all others who have their small children assisting them.

We hope that this will be satisfactory to you, we remain,

Yours very truly,

.....

New York, ——— 1919.

DEAR SIR.—We are in receipt of your letter of the 31st ult., advising us that Mrs. ——— is allowing her child to assist her in work which we gave Mrs. ———.

We were unaware of the fact that she was allowing her child to do work of this kind and as it is our wish to comply in every respect with the law,

we have notified Mrs. ———— that we will refuse to give her any work in the future unless she complies strictly with the Labor Law.

We thank you for calling our attention to this matter, and beg to remain,
Very truly yours,

.....

New York, ———— 1918.

DEAR SIR.—We are in receipt of yours of October 30, advising us that we are giving work to Mrs. of Street.

Beg to advise you that we do not give her work, but that we purchase merchandise from her, but will discontinue to do so unless she can give us a guarantee that the merchandise that she sells us is manufactured in accordance with the Federal Child Labor Act of Sept. 1, 1916 and with the laws of the State of New York. We will refuse to purchase any more merchandise from her unless she can truthfully give us this guarantee.

Very truly yours,

.....

New York, ———— 1919.

GENTLEMEN.—Replying to yours of the 17th inst., relative to placing work of children's dresses unlawfully in the tenement house..... Street, regret to say, that this was given out to one of our employees, through a misunderstanding of the law, on the part of one of our forewomen. We assure you, it will not happen again.

Thanking you for your courtesy in the matter, we remain,
Very truly yours,

.....

New York, ———— 1919.

DEAR SIR.—Replying to your letter of the 17th inst., reporting violation by Mrs. of Street, City, beg to inform you that our foreman has been instructed to withdraw all work from this woman and not to give her any more work.

Assuring you of my co-operation at all times assisting you to carry out the provisions of the law, I remain,

Very truly yours,

.....

New York, ———— 1919.

DEAR SIR.—In reply to yours of the 28th of June regarding Mrs. of Street, employing Mary, age seven to assist her, wish to inform you that we have taken up this matter with the party mentioned and have been advised that the child was doing the work just to amuse herself, however, this shall not happen again.

We have advised all our home work employees that it is against the State child labor law to permit a child to do this work, and should we find any of them employing child labor, we will not give them work in the future.

Yours truly,

.....

New York, ——— 1919.

DEAR SIR.—Replying to the enclosed letter beg to state that I no longer give out homework to Mrs. after finding out that she employs her children.

Respectfully yours,

.....

REASONS FOR CHILD LABOR GIVEN TO INSPECTORS

Time found working	Number of children	Age of child
3:45 P. M.	1	12 years.
Father dead; mother in Italy; supported wholly by sister who has 4 children; sister's husband is a laborer and does not have steady work; child attends school.		
9:30 A. M.	2	6; 10 years.
Husband ill; work not steady; earns \$11 per week when at work; 8 children; mother says she was trying to earn enough money to buy shoes for the children; they were in poverty and dirty; children attend school.		
9:00 P. M.	4	5; 7; 9; 12 years.
Mother and father say they don't see why children can't work as long as they go to school, as they are better working than running in the streets; attend school.		
6:15 P. M.	1	14 years.
No wage earner in the family; father ill; no work in 3 months; only income of family is from finishing pants; attends school.		
4:15 P. M.	1	8 years.
Very bad case; father in State prison; rent paid by charity; only means of support is finishing coats; 4 children in family; oldest 8 years; children attend school.		
6:15 P. M.	1	11 years.
Family seems in desperate condition; mother says it is absolutely necessary children help with the work; 14 people in family, wholly dependent on homework; father recently died; no other work in over a month; child attends school.		
7:15 P. M.	1	14 years.
Mother claims child does this work to pay off Liberty Bond; attends school.		
4:30 P. M.	2	11; 14 years.
Father went to France in October with army; promised to send half of pay; no money received; children must work to live; attend school.		
3:00 P. M.	2	7; 11 years.
Ten children and father out of work; conditions poor; attend school.		
5:30 P. M.	1	14 years.
Father dead; 6 children; mother says children must work to get along; attends school.		
5:45 P. M.	4	8; 9; 12; 14 years.
Father has only one arm; plays organ in the street; 7 children; mother says children must work to get along; attend school.		

Time found working	Number of children	Age of child
5:45 P. M.	1 Mother dead; father in Italy; lives with grandmother who is a widow; attends school.	11 years.
7:45 P. M.	2 Father sick since October; helped by charity organization which sent him to Boys' Foundation in Mount Vernon, then to Bergenfield, N. J.; says they must work; attend school.	12; 14 years.
6:45 P. M.	1 Father laborer; no work in 3 months, because of accident and in hospital long time; 6 children; homework only means of support; destitute; 2 months in arrears for rent; attends school.	13 years.
4:45 P. M.	1 Mother dead; deserted by father; lives with grandmother; grandfather old, unable to work; chief support, finishing pants; attends school.	15 years.
5:45 P. M.	2 Father ill most of time; works only 3 or 4 days each week; 4 children; oldest child says teacher told her it was all right to work after school; attend school.	12; 14 years.
10:30 A. M.	2 Only reason for working was to keep them off the street and away from automobiles; attend school.	10; 13 years.
5:30 P. M.	1 Child lives with grandfather; he claims the reason for work is to keep her off the streets and away from bad company; says neighborhood is bad and child must be kept interested or she won't stay in house; attends school.	11 years.
5:45 P. M.	1 Family in poor circumstances; father ill for 5 months; 3 children; mother says unable to buy food and clothes for children; attends school.	9 years.
3:45 P. M.	2 Father tailor; no work in three months; 3 children; attend school.	5½; 7 years.
5:15 P. M.	2 Five children; family seems in bad circumstances; father an invalid for past nine years; finishing pants only means of support; attend school.	8; 10 years.
3:45 P. M.	1 Six children; father dead; brother only wage earner; now sick with pneumonia; attends school.	14½ years.
3:30 P. M.	4 Only reason for children working is to keep them off the street; 6 children; attend school.	8; 9; 10; 14 years.
5:00 P. M.	1 Four adults; 10 children in family; all dependent on homework for support; attend school.	13 years.
5:30 P. M.	3 Six children; father crippled by accident 2 years; lost foot; no work since; family all depend on homework for support; attend school.	11; 12; 14 years.

Time found working	Number of children	Age of child
6:15 P. M.	1	9 years
Four small children; father dead; family seems in poor circumstances; finishing pants sole means of support for whole family; attends school.		
1:00 P. M.	2	4; 8 years.
Six children; father's employment not steady; mother must help support family; children only pull bastings; she has them do this to keep them off the streets; attend school.		
4:45 P. M.	2	5; 8 years
Father killed in war; homework is only means of support of self and 3 small children; attend school.		
3:10 P. M.	1	13 years.
Father dead; family in very poor circumstances; finishing coats only means of support; attends school.		

I attach hereto a copy of written instructions issued by me to the inspection force working under my directions bearing on the enforcement of the law. These instructions are merely a condensation of repeated verbal instructions given the inspectors to be vigilant, painstaking and thorough in the performance of every duty imposed on them by law.

It must be realized that this law because of its complicated construction, imposes a vast amount of labor on those who are charged with its enforcement. The number of inspectors assigned to the division is entirely too small for a thorough and complete application in detail of all of the law's provisions. Until a sufficient field force is supplied by the State for full and free action in this respect, laxity must of necessity be apparent in both the quantity and quality of the work performed. That this condition is fully understood by many of those against whom this law is directed is a fact, and in consequence they do not hesitate to "take a chance" in deliberately violating its provisions. We lack sufficient help in the field, we lack sufficient help in the office.

New York, ——— 1919.

TO ALL HOMEWORK INSPECTORS.—In the matter of the reinspection of licensed tenement buildings, I wish to advise as follows:

I am most concerned that all the reports should show that the essential features of the law relating to homework are being obeyed by all those who are affected by its provisions. These features are that the premises and particularly the rooms used for working purposes be kept clean. See that there be no disease in building — no disease in the family where work is carried on;

no children employed illegally; no illegal shop conditions existing in rooms used for living purposes by reason of the presence of outside hands. Take care that employers are obeying the provisions of Section 100, 101, 104-106. Scrutinize and report on unlicensed houses when you feel, or have reason to believe that work is being carried on therein. This reinspection work is for checking up the first annual inspection and consequently is intended to be a cleanup for the whole year. When necessary orders have been issued by the Department, or suggestions given by the inspector to do certain cleaning and same have not been complied with and the legal time limit has expired for compliance with orders or suggestions (letters), which is ten (10) days, there should be no hesitancy on the part of the inspector to recommend the revocation of the license and have all work coming under the law stopped. Correct information as to name and address of employers should be given so that the necessary legal notice can be sent out informing them of the action taken so they may have a chance to remove their goods from the licensed houses. No time should be wasted by return visits by the inspectors in cases of non-compliance.

The inspector must be constantly on the alert and inquisitive in the prosecution of his or her duties and responsibilities under the law. Don't be afraid to perform your duties in full in all respects. It is your duty to search for and find out for yourself any detail of this work in the field. Don't act like a mere machine using your book as a lever to stop only at licensed houses. My instructions to inspectors to "Clean up as they went along" was meant to apply to such cleaning as could be carried out while the work on a street or section was being done. I did not intend that report cards should be held out for months or that repeated compliance visits should be made perhaps after the inspector had been moved to some other part of the city or state. My suggestions were never intended to apply to orders which would require time for compliance. I now advise that when on a first inspection visit, it is found necessary to issue a written order, that when any other conditions of less importance are found to exist in the same premises, that orders be given in writing for the lesser things along with those for the greater, and again I do not wish repeated visits to be made for compliance with orders or suggestions. When you give a suggestion to clean you will at the same time fix a time for compliance. Keep a memo of your suggestion before you and then call back on the date or as nearly the date fixed by yourself as is possible. Then if no compliance is found issue a written order and send in your card report without further delay. Explain to the party in charge on first visit, just what you want done and when you expect it to be done. Explain the consequences to them of their failure to do as you advise. Carefully consider the standards of cleanliness fixed by the Department as shown on cards. *Study the law* for a viewpoint as to what these standards aim at and mean. On your rounds of inspection always aim to raise the standards of cleanliness just a trifle higher. Always strive to go up not down or to keep just so-so. I advise that closer attention be given the second last sentence in Section 100 relating to "seamstresses". I also advise that closer attention be given the subject of "custom dressmakers" on the ground or second floors, who are found to employ help constantly.

Read and comply with the directions of the law on this subject. I also advise closer and better understanding on shops in tenements. Your rules clearly specify the different kinds of shops under Section 100. Separated, unconnected, and connected, treat all of these matters as the law and rules direct. I advise care in reporting the different kinds of work and different races of people in the *same* building—show the number of each by a numeral over the article or over the race given or over both when necessary. These matters are important for statistical purposes. When you find only a separated shop in a building, be careful to indicate whether the license for such building should be continued or not.

The inspectors at work up-state will so conduct their inspection work on registers, and otherwise, as not to duplicate visits to the same houses. When you have established the fact that a certain house on a certain street or in a certain locality is not a tenement, or a house requiring a license, you should so arrange your records that you will not have to lose time visiting such place a second time, no matter how often you may have to visit the village or city in which such house is situated.

I wish all the work to be done thoroughly, critically, efficiently, and well and with all possible economy in field time. This work will be just as important to the public as the inspector in the field through care and efficiency in the performance of his duty will make it. Do your work—all of it—efficiently, carefully, and well.

HOME SANITATION

In the matter of sanitation and other subjects, the table shows that a total of 3,587 separate orders were issued against licensed tenement houses. These orders related to repair, painting, and cleansing of waterclosets; repair of plumbing in apartments and waterclosets; repair, painting, and cleaning of public halls and apartments; cleaning of yards, cellars, and areaways and removal of dirt and refuse from same; outside help and any violations coming under section 104. The table also shows complete compliance with 3,434 of these orders; in these are included the revocation of 229 licenses where the owners, agents, or lessees refused, neglected, or failed to obey the sanitary requirements of the law.

Twenty-eight cases of disease were reported in licensed tenements, one only of which was found in a room in which work was going on. This was a case of infantile paralysis. The license was promptly revoked. The correspondence between this division and the department of health shows the disposition made of the

case which is typical of the disposition and treatment of all matters of a similar nature.

NEW YORK CITY, October 29, 1918.

Department of Health, Centre & Walker Sts., New York City.

GENTLEMEN.—You are hereby notified that on October 24, 1918 an inspector from this Division of the Labor Department found working on veilings on the 3rd floor east of the tenement premises Street, in which apartment a case of infantile paralysis was then present. The inspector affixed to such articles the label prescribed in Section 102 of the Labor Law. Under the provisions of Section 103 of the Labor Law the Department of Health is required to take action on all cases brought to its attention.

Please advise of the disposition made of the case herewith reported to you, and oblige,

Respectfully,

Chief, Division of Homework Inspection.

DEPARTMENT OF HEALTH OF THE CITY OF NEW YORK

New York, November 7, 1918.

MY DEAR MR. O'LEARY.—Your communication of October 29 relative to the case of of Street, Manhattan, has been referred to me for reply.

This case had been previously reported and renovation is now in progress. Until it is completed the placard will remain posted.

We wish to thank you for bringing this matter to our attention.

Very truly yours,

Director, Bureau of Child Hygiene.

The following is a summary of the work performed by the field force of the Division of Homework Inspection during the year beginning July 1, 1918, and ending June 30, 1919:

Number of outstanding licenses on July 1, 1918 for the whole State.....	17,175
Number of new applications for licenses made during the year, including 26 applications pending at the close of the year	3,010
Number filed in New York City.....	2,798
Number filed in up-state places.....	212
Total number of inspections made of separate licensed tenement houses	20,718
Number of licensed rear shop buildings inspected.....	82
Licensed tenement houses which received a second inspection during the year.....	3,378
Number of licensed tenement houses in which no person was found at work at the time of visit.....	8,292
Total number of observation reports made of houses suspected of having work done in them as well as dwelling houses reported from the investigation of manufacturer's lists	5,952
Number of violations of law reported which required the application of the tenement tag.....	813
Number of violations of law referred to counsel.....	49
Number of convictions secured.....	42
Amount of fines imposed by the courts.....	\$440
Amount of time spent by the inspectors in prosecution cases.....	332½ hrs.
Number of separate complaints received, all of which were investigated and reported upon.....	240

Total number of separate apartments visited and inspected.....	271,580
Total number of apartments in which work was reported.....	19,205
Whole number of persons found at work in licensed houses.....	30,260
Total number of all orders issued.....	3,587
Number of cases of disease found in licensed tenements.....	28
Number of cases of disease found in homes in which work was found going on.....	1
Number of compliances secured.....	3,434
Number of visits made by inspectors to secure these compliances.....	9,275
Number of licenses cancelled for sanitary or other reasons.....	2,503
Number of licenses revoked for purely sanitary causes.....	229
Number of applications cancelled.....	73
Number of applications pending at the close of the report year.....	26
Number of outstanding licenses at the close of the report year June 30, 1919.....	17,340
Total number of children found at work in the home.....	744
Number of females.....	567
Number of males.....	177
Number of these children found illegally employed.....	667
Number of females.....	528
Number of males.....	139
Children aged between 14 and 16 years found working without certificate.....	140
Number of males.....	20
Number of females.....	120
Children working and attending school.....	668
Children working and not attending school.....	76
Children over 14 years of age.....	140
Children under 14 years of age.....	604
Ages of children under 14 years —	
3 years.....	1
4 years.....	8
5 years.....	20
6 years.....	21
7 years.....	38
8 years.....	53
9 years.....	63
10 years.....	80
11 years.....	88
12 years.....	115
13 years.....	117
	<hr/>
	604

The time at which these children were found is recorded as follows:

Children found in the morning and up to 12 o'clock.....	233
Found employed between 12 and 3 P. M.....	179
Found employed between 3 and 6 P. M.....	238
Found employed between 6 and 8 P. M.....	85
Found employed after 8 P. M.....	9

The children were found working on the following articles:

Articles of embroidery and lace.....	85
Adult's clothing.....	359
Articles under Section 104.....	18
Flowers and feathers.....	130
Miscellaneous articles.....	152
Number of children found in New York City.....	731
Number of children found up-state.....	13
New licenses granted during the year.....	2,897
New licenses granted up-state.....	212
New licenses granted in New York City.....	2,685

To 11,519 dwelling houses mentioned in my report of last year wherein work was found going on, I have to add from the reports before me for the present year 4,133 additional houses of this character, making the total 15,552. These added houses were found, as follows:

Albany, 16; Amsterdam, 539; Gloversville, 1,559; Johnstown, 45; Syracuse, 12; Schenectady, 240; Utica, 13; Rochester, 698; Buffalo, 190; Tonawanda, 122; North Tonawanda, 143; Lockport, 6; Niagara Falls, 133; LaSalle, 12; Batavia, 24; Jamestown, 10; Dunkirk, 32; Sheridan, 1; Silver Creek, 2; Akron, 9; Attica, 1; Warsaw, 57; South Warsaw, 4; Perry, 1; Chickawaga, 1; Martinsville, 5; Evershed, 1; Echoto, 3; Auburn, 38; Weedsport, 5; Lyons, 3; Clyde, 3; Newark, 1; Geneva, 2; Waterloo, 9; Seneca Falls, 9; Canandaigua, 10; Binghamton, 15; Oswego, 60; Elmira, 11; Corning, 25; Hornell, 58; Almond, 2; Canisteo, 3.

The field force, as well as the other employees of the division, have all been faithful to their respective duties. The record shows a large loss in actual working time for nearly all employees. This loss is chargeable to many causes, none of which were avoidable, viz., illness, vacations, attendance on safety congress, lectures and such matters as were of an educational and instructive character. Yet "time lost" cuts deeply into the results as shown at the end of the year. When all of these matters are considered, as well as the small force assigned to the duty of enforcing these important laws, I feel that I can conscientiously commend all of the employees for their co-operation and fidelity throughout the year.

Very respectfully,

DANIEL O'LEARY,

Chief, Division of Homework Inspection.

(4) REPORT OF DIVISION OF INDUSTRIAL HYGIENE

To the First Deputy Commissioner:

I beg to hand you herewith my report as Director of the Division of Industrial Hygiene of the Bureau of Inspection for the year ending June 30, 1919.

On June 30, 1919, the Division of Industrial Hygiene of the Bureau of Inspection completed its fifth year of work under the direction of the present chief, during which time a larger amount of work was performed than during any previous year under conditions which were often trying on account of the small space allotted to the division and the volume of work handled.

In order to facilitate routine work, different members of the division were assigned to a specific kind of work and kept at same. Investigations to be made in cities and villages in Central and Western New York were combined so that such inspections were made in a single trip, thereby making frequent trips to these places unnecessary and thus saving time and expense.

RESPIRATORS

During the year an investigation was conducted with a view to determining the efficiency of various types of respirators and recommending a cheap form and type for the use of employees of factories which could be used in places where, owing to the nature of the business, a respirator would be necessary.

As a result of this investigation a cheap and effective form of respirator was devised. These respirators were fully described and illustrated with cuts in Special Bulletin No. 90, which has been distributed by the Commission. Respirators thus constructed filter out the dust in the air being breathed, are cheap, light in weight, do not obstruct vision, can be changed daily at little cost and be washed when necessary. There is less incentive for a workman to appropriate the respirator of another. They neither break, rust nor wear out. They cause no excessive perspiration and absorb what is produced; cause no irritation of the cheeks, nose and chin and can be more readily arranged to fit the face than the patented types.

CHEMICAL INDUSTRY

After an investigation covering more than three years, the report of the chemical industry, in bulletin form, was submitted to the Industrial Commission. It is now in the hands of the printer for publication. Three hundred and thirty-five plants were visited during the survey in which particular attention was given to those conditions to which the present law, and the rules of the Industrial Code do not apply such as heating, fire hazards, lighting, electrical hazards, danger from spontaneous combustion, industrial poisoning, causes of explosions, lack of knowledge by the men employed as to the dangerous nature of the materials handled; general safe and unsafe practices. The bulletin will be illustrated with fourteen half tones. Thirty-five rules are recommended to minimize the hazards in the industry.

GARAGES

The investigation of garages throughout the State to determine what measures are necessary to prevent carbon monoxide poisoning was undertaken on account of a complaint of the seriousness and the number of cases occurring in various garages. One thousand five hundred and five garages were visited during the course of the investigation. Tests were made of air; fire hazards noted; method of illumination noted; physical examinations made; physical tests of motor ventilator efficiency were made and exhaust systems, where installed, were inspected and tested. The report now completed and written is ready for submission to the Industrial Commission. It deals with the necessity of proper ventilation and the method of securing it. When published, it will be of great value to the general public in preventing cases of asphyxiation and fires.

CLEANING AND DYEING

An investigation of the cleaning industry where second hand clothing is renovated was undertaken by order of Deputy Commissioner James L. Gernon in charge of the Inspection Bureau. Many of the places visited revealed the fact that the work was carried on in cellars, and as the material handled is often in dirty condition, unless the places are periodically cleaned they soon

become decidedly unsanitary. As a result of the investigation numerous recommendations were made to correct the conditions found. These were referred to the supervisors of the districts for action.

BUFFING, GRINDING AND POLISHING

A tentative investigation ordered by the Industrial Commission relating to women engaged at work in the process of buffing, grinding and polishing articles of the baser metals was undertaken, with a view to determine whether women working at such employment, under various conditions, were physically affected or not. This investigation revealed the fact that no women were found at such employment, but that numerous exhaust systems designed to remove dust created at the wheels were being poorly maintained. A final investigation is now being made, covering a greater field, of which a report will be submitted when completed.

THE TEXTILE INDUSTRY

An investigation was undertaken by the division relating to the elimination of dust created in the textile industry. In order to observe the manner in which dust was prevented from being a menace to textile workers in mills outside of New York State a representative of the division was sent to visit numerous mills in neighboring States and to observe conditions. It was found that many of the mills had solved the problem relating to dust prevention and control, which methods could be applied to the mills in New York State. Several textile mills in the State have already profited by this information secured and imparted to them, and have arranged their dust creating machines in such a manner as to equip them with devices which have greatly reduced the dust in such places.

In conjunction with this investigation the question of the old rag industry was taken up, i. e., where shoddy and old rags were processed for the mattress industry. Some abominable conditions were discovered, the remedy for which has already been proposed. Few people realize the character of material entering into mattresses, bed comfortables and clothing, which even when sterilized contain much dust and dirt.

EXPLOSIONS AT FACTORIES IN NEW YORK STATE

Two violent explosions occurred in the State during the year. Investigations as to probable causes in each case were conducted under direction of the Chemical Engineer, reports of which were submitted to the Commission. These occurred at Split Rock and at Nyack. The former occurred in an establishment manufacturing trinitrotoluol, an explosive of high power, which became ignited while being grained. The fire communicated to other grainers which in turn exploded the nitrator, wrecking the building and most of the contiguous buildings composing the plant. The latter explosion, which occurred at Nyack, resulted from apparent improper handling of nitroalizarin, the material manufactured being used as a dye. Neither of these explosions could be attributed to lack of application, by the inspection force, of any section of the Labor Law, but emphasizes the necessity of a carefully prepared code relating to the chemical industry, which is now in the hands of the code committee on special trades and processes, at meetings of which the Chemical Engineer was present, together with various physicians connected with the division. The experience gained in having made many investigations of dangerous processes both in New York State, Pennsylvania and New Jersey, and being familiar with safe methods practiced in these States, was of service to these committees.

PLAN EXAMINATION OF PROPOSED VENTILATION SYSTEMS

Orders issued by the Bureau of Inspection relating to ventilating systems required plans to be filed in triplicate for examination and approval before making any changes or erecting new systems in factories and mercantile establishments. In many cases, before passing on these plans, visits were made necessary to the places where the systems were to be installed or reconstructed to learn the character of work done; the point of discharge of the system; to what extent old systems previously installed had been effective; the condition of old parts which might be used in the new systems to be constructed, such as collectors, fans, hoods, hangers, etc. By these visits, mistakes were entirely prevented and manufacturing plants, or other business institutions, received the benefit of the experience of those whose business has been for

years confined to this branch of engineering work. This plan examination work caused the erection of better ventilation systems and the maintenance of existing systems.

OCCUPATIONAL DISEASES AND PHYSICAL EXAMINATIONS

Occupational diseases required to be reported by physicians called upon to treat factory workers apparently suffering from maladies enumerated in section 65, article 6 of the Labor Law are referred in all cases to the medical inspectors and one acting medical inspector. Investigations of all cases reported are made and orders issued where necessary to prevent further recurrence among the workers.

The work relating to investigation of special trades occupies a large amount of the physicians' time, who, when making medical inspections and physical examinations, often learn through these the cause of the maladies from which they suffer and can trace them to specific causes and unsafe practices used about the factory workrooms.

During the course of the late war many women took the places of men in factory work, resulting in various complaints and questions as to whether these women were adequately protected against disease and unhealthy conditions in shops and factories in which they were employed.

All work necessitating physical examinations to be made in connection with this work was referred to the able woman physician attached to the division who imparted valuable information to these women in addition to securing, in many cases, immediate compliance with orders issued to correct conditions which were inimical to their health.

Numerous physical examinations of workers employed in bakeries in the second inspection district in accordance with section 113-a of the law were made upon complaint. The complaints referred in all cases to physical condition of employees of bakeries. In all instances these complaints were not sustained.

INDUSTRIAL SAFETY CONGRESS

The division prepared for the third industrial safety congress held at Syracuse a large amount of work consisting of frames and standards for illustrating with large photographs sanitary

and unsanitary factory conditions; guards for machines; safe and unsafe practices; photographs of injured men caused by absence of guards on machines and who failed to obey factory rules relating to safe practices. All photographs exhibited at the congress were taken by the members of the division of conditions in New York State factories. These were not only used for exhibition purposes but also as a means to familiarize the inspectors of the inspection force with new devices and guards and to demonstrate to manufacturers, contractors and engineers, not fortunate enough to have visited the congress, the methods of constructing various work and methods of guarding machinery. The burden also aided in constructing many other devices used at the congress.

THE LABORATORY

The laboratory used for analytical work by the Chemical Engineer is no longer large enough for the amount and character of work to be performed in it. It is over-crowded with apparatus and furnishings, and good work cannot be performed under such conditions, therefore additional room is urgently needed.

CHEMICAL WORK

In spite of increased duties in field and executive work required of the Chemical Engineer, as many analytical determinations were made in the laboratory and field as in previous years. The field work required frequent standardization of instruments (which are often used), which naturally took considerable time and often necessitated the assistance of other members of the division. During the year several important instruments were added to those now in use.

ILLUMINATING ENGINEERING WORK

During the months of November, December, January, February and March several members of the division conducted during the nights a survey of artificial lighting conditions in factories for use in connection with the lighting code. In addition to making more than 8,000 light measurements, tables were prepared showing conditions under which the light measurements were taken which proved invaluable in drawing up the rule relating to factories and mercantile establishments.

ROUTINE WORK

There were referred to the division 189 matters relating to general and local ventilation, eating food in workrooms of factories, lighting of workrooms, sanitation, first aid work, calling for tests to be made and physical examinations of employees. By the application of chemical and physical determinations, besides conducting physical examinations of workmen, recommendations were made either to sustain or to disapprove the matter in question. In many cases these scientific results were used as testimony in prosecutions brought by the legal division. Without such research work it would be impossible to accurately arrive at such definite conclusions.

RECAPITULATION OF WORK OF THE DIVISION, JULY 1, 1918 to JUNE
30, 1919

Chemical tests and examinations in field.....	96
Bulletins prepared.....	2
Bulletins in preparation (chemical industry and garages).....	2
Physical determinations.....	8,866
Medical inspections.....	1,418
Physical examinations of factory employees.....	414
Trade disease investigations by physicians.....	90
Special investigations.....	3,722
Special inspections.....	15
Research investigations.....	885
Complaint investigations.....	8
Compliance visits.....	139
Plans examined for ventilating systems.....	101
Photographs taken of guards, devices and conditions in factories.....	102

Submitted,

JOHN H. VOGT,

Director, Division of Industrial Hygiene.

(5) STATISTICS OF INSPECTION

(Compiled by the Bureau of Statistics and Information)

Factory Inspection

1. Work of factory inspectors.
2. Work of factory inspectors in year ended June 30, 1919, by supervising districts.
3. Orders issued by the Division of Factory Inspection in year ended June 30, 1919.
4. Compliances with orders reported by the Division of Factory Inspection in year ended June 30, 1919.
5. Orders issued by the Division of Industrial Hygiene and reported compliances therewith in year ended June 30, 1919.
- 6-A. Prosecutions for violations of the Labor Law in factories.
- 6-B. Prosecutions for violations of the Labor Law in factories (concluded).
7. Violations of the Labor Law in factories referred to counsel without issuance of orders in year ended June 30, 1919.
8. Children found illegally employed in factories in year ended June 30, 1919.
9. Children for whom proof of age was demanded in factories in year ended June 30, 1919.
10. Children found at prohibited employment in factories in year ended June 30, 1919.
11. Children 14 to 16 years of age found employed in factories in year ended June 30, 1919.
12. Illegal hours and prohibited employment of women and male minors in factories in year ended June 30, 1919.
13. Violations of day-of-rest law in factories in year ended June 30, 1919.
14. Complaints, alleging violation of the Labor Law in factories, investigated in year ended June 30, 1919.

Homework Inspection

15. Work of homework inspectors.
16. Licensing of tenements in year ended June 30, 1919.
17. Registers of outside workers.
18. Permits to factory owners to send work to tenements in year ended June 30, 1919.
19. Orders issued by the Division of Homework Inspection and reported compliances therewith in year ended June 30, 1919.
20. Children found illegally employed in licensed tenement living rooms in year ended June 30, 1919.

Mercantile Inspection

21. Work of mercantile inspectors, by kinds of work.
22. Work of mercantile inspectors, by localities.
23. Orders issued by the Division of Mercantile Inspection in year ended June 30, 1919.
24. Compliances with orders reported by the Division of Mercantile Inspection in year ended June 30, 1919.
25. Prosecutions for violations of the Labor Law in mercantile establishments.
26. Violations of the Labor Law in mercantile establishments referred to counsel without issuance of orders in year ended June 30, 1919.
27. Children found illegally employed in mercantile establishments in year ended June 30, 1919.
28. Children for whom proof of age was demanded in mercantile establishments in year ended June 30, 1919.
29. Children 14 to 16 years of age found employed in mercantile establishments.
30. Illegal hours of women and male minors in mercantile establishments in year ended June 30, 1919.
31. Violations of day-of-rest law in mercantile establishments in year ended June 30, 1919.
32. Complaints, alleging violation of the Labor Law in mercantile establishments, investigated.

Industrial Diseases

33. Cases of industrial disease reported to Department of Labor under section 65 of the Labor Law in eight years.

Employment Certificates

34. Child labor certificates reported issued in year ended June 30, 1919.
 35. Child labor certificates reported issued in July and August, 1918 for summer vacation employment.

Table 1 — WORK OF FACTORY INSPECTORS

KIND OF WORK	YEAR ENDED JUNE 30, 1919			Twelve months ended June 30, 1918
	First Inspection District	Second Inspection District	Total State	
Number of regular inspections of:				
Factories occupying whole buildings.....	8,564	13,389	21,953	20,553
Tenant factories.....	39,146	5,025	44,171	43,463
Bakeries.....	41	1,259	1,300	1,443
Total.....	47,751	19,673	67,424	65,459
Number of special inspections (with or without orders).....	8,507	4,538	13,045	23,745
Number of complaint investigations.....	1,043	254	1,297	2,016
Number of building surveys.....	34,516	19,293	53,809	49,826
Number of special investigations.....	4,933	1,250	6,183	8,033
Number of employees at time of inspection....	760,904	623,984	1,384,888	1,464,211
Number of compliance visits:				
First visits.....	30,780	11,521	42,301	38,019
Subsequent visits.....	39,028	13,452	52,480	45,275
Total.....	69,808	24,973	94,781	83,294
Number of tagging cases (exclusive of "assisting"):				
Section 95 (unclean factories).....	263	12	275	989
Section 114 (unclean bakeries).....		2	2	14
Section 81 (dangerous machinery).....	548	71	619	933
Section 19 (scaffolds).....				3
Total.....	811	85	896	1,939
Number of department office calls.....	5,175	742	5,917	6,521
Number of factory information calls.....	15,843	1,773	17,616	8,697
Number of factories found closed or vacated...	927	2,179	3,106	†2,663

† Second Inspection District only.

Table 2 — WORK OF FACTORY INSPECTORS IN YEAR ENDED JUNE 30, 1919, BY SUPERVISING DISTRICTS

KIND OF WORK	FIRST INSPECTION DISTRICT					Total.
	First Super-vising District	Second Super-vising District	Third Super-vising District	Fourth Super-vising District	Fifth Super-vising District	
Number of regular inspections.....	10,496	9,967	8,467	8,587	9,834	47,751
<i>Thereof:</i>						
Factories occupying whole buildings.....	5,720	1,087	589	632	2,786	8,564
Tenant factories.....	6,776	8,880	8,128	8,555	7,007	39,148
Bakeries.....					41	41
Number of building surveys.....	8,923	8,309	3,681	4,240	9,363	34,516
<i>Thereof:</i>						
Surveys of whole buildings and tenant factory buildings.....	6,800	4,329	2,962	2,414	6,816	21,410
Surveys of miscellaneous buildings.....	2,973	1,119	210	1,490	2,316	8,108
Surveys of buildings in which there was no manufacturing.....	60	2,861	609	536	1,232	4,998
Number of special inspections (with or without orders).....	2,642	1,259	1,599	1,571	1,177	8,507
Total number of employees in factories inspected.....	192,363	154,297	136,506	150,029	127,709	790,904
Number of tagging cases.....	44	371	269	112	15	811
<i>Thereof:</i>						
Unclean factories (Sec. 96).....	21	186	86	49	1	263
Unclean bakeries (Sec. 114).....						
Dangerous machinery (Sec. 81).....	25	245	185	85	14	648
Prohibition of use of scaffolds (Sec. 19).....	189	167	241	227	217	1,043
Number of compliance investigations†.....					2	
Number of compliance visits.....	10,593	18,915	14,747	11,515	7,540	69,808
<i>Thereof:</i>						
First visits.....	7,606	7,639	6,881	5,092	3,693	30,780
Subsequent visits.....	9,083	11,276	7,866	6,423	3,847	39,028
Number of special investigations.....	631	966	830	850	515	4,953
Number of department office calls.....	852	1,156	1,196	1,123	843	6,175
Number of factory information calls.....	3,912	4,311	3,414	1,805	2,401	16,843
Number of factories found closed or vacated.....	172	209	299	114	133	1,027

† See Table 14, which shows the number of communications alleging violation of the Labor Law in factories, and the number and classification of items contained in the complaints.

Table 2 — WORK OF FACTORY INSPECTORS IN YEAR ENDED JUNE 30, 1919, BY SUPERVISING DISTRICTS — (Continued)

KIND OF WORK	SECOND INSPECTION DISTRICT					Total Site
	Sixth Super- vising District	Seventh Super- vising District	Eighth Super- vising District	Ninth Super- vising District	Total	
Number of regular inspections.....	5,332	4,821	4,022	5,498	19,673	67,424
<i>Thereof:</i> Factories occupying whole buildings.....	3,400	3,592	2,581	3,786	13,369	21,963
Tenant factories.....	1,596	1,223	1,366	1,441	6,025	41,171
Bakeries.....	640	306	136	271	1,353	1,500
Number of building surveys.....	5,109	4,893	3,656	5,635	19,293	53,809
<i>Thereof:</i> Surveys of whole buildings and tenant factory buildings..	4,808	4,118	3,570	4,504	16,998	37,518
Surveys of miscellaneous buildings.....	829	604	60	812	2,255	10,343
Surveys of buildings in which there is no manufacturing.....	64	271	56	689	1,080	6,668
Number of special inspections (with or without orders).....	1,696	193	1,244	1,379	4,538	13,045
Total number of employees in factories inspected.....	188,001	143,517	128,747	163,719	623,984	1,384,888
Number of tagging cases.....	21	44	1	19	85	896
<i>Thereof:</i> Unclean factories (Sec. 95).....	.....	.....	1	11	12	276
Unclean bakeries (Sec. 114).....	1	43	.....	.....	2	2
Dangerous machinery (Sec. 81).....	20	.....	.....	8	71	616
Prohibition of use of scaffolds (Sec. 19).....	.....	46	.....	.....	.....	.....
Number of complaint investigations†.....	58	.....	97	51	254	1,297
Number of compliance visits.....	8,278	4,436	4,320	7,520	24,973	94,781
<i>Thereof:</i> First visits.....	3,604	2,671	2,193	3,150	11,621	42,501
Subsequent visits.....	4,674	1,806	2,124	4,370	13,462	62,480
Number of special investigations.....	149	317	173	312	1,250	6,183
Number of department office calls.....	167	95	196	284	742	5,917
Number of factory information calls.....	207	180	1,014	258	1,773	17,616
Number of factories found closed or vacated.....	521	625	586	447	2,179	3,106

† See Table 14, which shows the number of communications alleging violation of the Labor Law in factories, and the number and classification of items contained in the complaints.

IV. Fire Protection.	72	517	539	1,380	2,937	4,357	1,452	3,504	4,956
1. Structural conditions:									
a. Number of exits.....	4	16	4	405	366	771	409	368	775
b. Doors, doorways and windows.....	9	2	24	189	415	604	198	430	628
c. Stairways.....	1	2	3	125	39	164	126	41	167
d. Fire escapes.....			26	26	34	60	26	34	60
e. Partitions.....			3	3		3	3		3
f. Openings.....			6	6	6	12	6	6	12
g. Other or general.....			8	8	5	8	5	5	13
2. Clean means of egress.....	52	496	548	176	577	753	228	1,073	1,301
3-a. Fire alarms.....	1	1	2	147	65	212	148	66	214
3-b. Fire drills and records.....	1	1	2	120	156	276	121	157	278
4. Waste and other inflammable materials.....		2	2	50	641	691	50	643	693
5. Gas jets.....			4	4	14	18	4	14	18
6. Smoking.....	1		1	93	577	670	94	577	671
7. Sprinklers.....					18	31	16	18	34
8. Number of occupants.....	3		3	13	18	31	16	18	34
9. Fire escapes other than structural conditions.....				12	48	60	12	48	60
10. Fire extinguishers.....				3	26	29	3	26	29
V. Children									
1. From 14 to 16 years.....		3	3		1	1		4	4
c. Prohibited occupations.....		3	3		1	1		4	4
IV. Women and Male Minors									
1. Hours.....	4	82	86	12	44	55	16	126	142
2. Prohibited occupations.....		4	4	1	23	28	5	23	28
3. Employment after childbirth.....					5	6	1		10
4. Seats for women.....	4	78	82	6		22	10	94	104
VII. Day of Rest	85	2,155	2,240	33	121	154	118	2,276	2,594
VIII. Miscellaneous									
1. Payment of wages.....	58	1,890	1,938	78	269	347	136	2,149	2,285
2. First aid.....	18	18	12	36	48	48	15	54	69
3. First aid appliances.....	55	1,862	1,917	60	283	299	121	2,085	2,216
Total.....	3,797	101,194	*104,991	9,814	40,828	150,642	13,611	142,022	155,633

*The total compliances, reported for the First Inspection District, include the waiver of 459 orders issued prior to July 1, 1918 and 3,726 orders issued between July 1, 1918 and June 30, 1919. These waivers resulted from the cessation of the illegal conditions by reason of modifications of the law, Industrial Code, or accompanying circumstances such as to make the original orders no longer necessary.

†The total compliances, reported for the Second Inspection District, include the waiver of 1,320 orders issued prior to July 1, 1918 and 1,234 orders issued between July 1, 1918 and June 30, 1919.

Note — See Table 5 for factory compliances reported by the Division of Industrial Hygiene.

Table 4—ORDERS ISSUED BY THE DIVISION OF FACTORY INSPECTION IN YEAR
ENDED JUNE 30, 1919

SUBJECT OF ORDERS	NUMBER OF ORDERS ISSUED IN —		
	First Inspection District	Second Inspection District	Total State
I. Administration	29,631	6,278	35,909
1. Posting of laws, permits, notices, etc.....	29,558	6,247	35,805
2. Keeping of records, registers, etc.....	73	31	104
II. Sanitation	43,840	11,579	55,419
1. Toilet facilities:			
a. Water closets.....	20,826	5,401	26,227
b. Wash rooms and sinks (including personal cleanliness).....	3,092	1,689	4,761
c. Dressing rooms.....	5,502	574	6,076
2. Cleanliness or repair of workrooms, halls, etc.....	7,044	2,036	9,080
3. Ventilation, heat and humidity:			
a. General.....	27	37	64
b. Removal of dust, fumes, etc.....	904	775	1,769
4. Lighting (eyesight protection).....	5,966	581	6,547
5. Meals.....	20	277	297
6. Drinking water and drinking cups.....	37	181	218
7. Sanitation of living quarters.....	.....	.....	.....
8. Mattresses, etc.....	332	48	380
III. Accident Prevention	29,510	30,222	59,732
1. Elevators and hoistways.....	62	3,077	3,139
2. Machinery and apparatus.....	27,431	24,100	51,531
3. Electric switchboards, wires, etc.....	218	561	779
4. Stairs, platforms, pits, floors, etc. (including repairs).....	1,046	2,301	3,347
5. Lighting to prevent accidents.....	704	176	880
6. Window cleaning.....	49	7	56
IV. Fire Protection	556	4,100	4,656
1. Structural conditions:			
a. Number of exits.....	3	746	749
b. Doors, doorways and windows.....	23	610	633
c. Stairways.....	2	120	122
d. Fire escapes.....	.....	53	53
e. Partitions.....	.....	1	1
f. Openings.....	.....	9	9
g. Other or general.....	.....	11	11
2. Clear means of egress.....	523	755	1,278
3-a. Fire alarms.....	1	101	102
3-b. Fire drills and records.....	1	221	222
4. Waste and other inflammable materials.....	3	726	729
5. Gas jets.....	.....	16	16
6. Smoking.....	.....	612	612
7. Sprinklers.....	.....	.....	.....
8. Number of occupants.....	.....	24	24
9. Fire escapes other than structural conditions.....	.....	61	61
10. Fire extinguishers.....	.....	34	34
V. Children	3	1	4
2. From 14 to 16 years:			
c. Prohibited occupations.....	3	1	4
VI. Women and Male Minors	87	60	147
1. Hours.....	.....	33	33
2. Prohibited occupations.....	4	5	9
3. Employment after childbirth.....	.....	2	2
4. Seats for women.....	83	20	103
VII. Day of Rest	2,198	185	2,383
VIII. Miscellaneous	1,990	312	2,302
1. Payment of wages.....	21	59	80
3. First aid appliances.....	1,969	253	2,222
Total	107,815	52,737	160,552

NOTE.— See Table 5 for factory orders issued by the Division of Industrial Hygiene.

Table 5—ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL HYGIENE AND REPORTED COMPLIANCES THEREWITH IN YEAR ENDED JUNE 30, 1919

SUBJECT	NUMBER OF ORDERS ISSUED IN —		
	First Inspection District	Second Inspection District	Total State
I. Administration	10	2	12
1. Posting of laws, permits, notices, etc.....	10	2	12
II. Sanitation	58	9	67
1. Toilet facilities:			
a. Water closets.....			
b. Wash rooms and sinks (including personal cleanliness).....	14		14
2. Cleanliness or repair of workrooms, halls, etc..	12		12
3. Ventilation, heat and humidity:			
a. General.....		1	1
b. Removal of dust, fumes, etc.....	32	7	39
5. Meals.....		1	1
III. Accident Prevention			
2. Machinery and apparatus.....			
4. Stairs, platforms, pits, floors, etc. (including repairs).....			
Total	68	11	79

SUBJECT	NUMBER OF COMPLIANCES REPORTED IN —		
	First Inspection District	Second Inspection District	Total State
I. Administration	9	5	14
1. Posting of laws, permits, notices, etc.....	9	5	14
II. Sanitation	48	48	96
1. Toilet facilities:			
a. Water closets.....		1	1
b. Wash rooms and sinks (including personal cleanliness).....	10	8	18
2. Cleanliness or repair of workrooms, halls, etc..	3	1	4
3. Ventilation, heat and humidity:			
a. General.....			
b. Removal of dust, fumes, etc.....	35	35	70
5. Meals.....		3	3
III. Accident Prevention		3	3
2. Machinery and apparatus.....		2	2
4. Stairs, platforms, pits, floors, etc. (including repairs).....		1	1
Total	57	56	113

Table 6-A — PROSECUTIONS FOR VIOLATIONS

SUBJECT OF LAW INVOLVED	FIRST INSPECTION DISTRICT					
	Number of cases	Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines
				Sentence suspended	Fined	
A. Proceedings Instituted						
II. SANITATION						
1. Toilet facilities:						
a. Water closets.....	33	....	(2) 24	1	6	\$245
b. Wash rooms (including personal cleanliness).....	10	....	6	1	3	100
c. Dressing rooms.....	9	....	(3) 5	1	....	....
2. Cleanliness or repair of workrooms, halls, etc.	3	....	3	....	....	....
3. Ventilation, heat and humidity:						
b. Removal of dust, fumes, etc.....	11	....	(1) 3	3	4	80
III. ACCIDENT PREVENTION						
1. Elevators and hoistways.....	....	....	....	....	....	....
2. Machinery (including vats, pans, etc.).....	2	....	2	....	....	....
5. Lighting to prevent accidents.....	2	....	1	....	1	20
IV. FIRE PROTECTION						
1. Structural conditions:						
a. Number of exits.....	1	1	....	....	....	....
2. Clear means of egress:						
a. Locked doors.....	7	....	....	1	6	140
b. Other.....	....	....	....	....	....	....
6. Smoking.....	....	....	....	....	....	....
V. CHILDREN						
1. Under 14 years.....	3	....	....	1	2	40
2. From 14 to 16 years:						
a. Certificates.....	6	....	1	....	5	105
b. Hours.....	5	....	1	2	2	40
VI. WOMEN AND MALE MINORS						
1. Hours.....	7	....	....	4	3	60
VII. DAY OF REST						
Day of rest.....	6	....	1	1	4	120
VIII. MISCELLANEOUS						
3. First aid appliances.....	2	....	1	....	1	20
5. Tenements.....	1	....	....	....	1	20
Total.....	108	1	(6) 48	15	38	\$900

*Withdrawn cases are given in parentheses.

OF THE LABOR LAW IN FACTORIES

SECOND INSPECTION DISTRICT						TOTAL STATE						Subject number
RESULTS TO JUNE 30, 1919						RESULTS TO JUNE 30, 1919						
Number of cases	Pend- ing	Dis- missed, ac- quitted or with- drawn*	Convicted		Fines	Number of cases	Pend- ing	Dis- missed, ac- quitted or with- drawn*	Convicted		Fines	
			Sen- tence sus- pended	Fined					Sen- tence sus- pended	Fined		
3	2	1	...	....	36	....	(2) 26	2	6	\$245	II 1 a
....	10	....	6	1	3	100	b
1	1	....	...	....	9	....	(3) 5	1	....	....	c
1	1	....	...	....	4	....	4	....	....	....	2
1	1	....	...	....	12	....	(1) 4	3	4	80	3 b
1	1	....	....	...	....	1	1	....	....	....	....	III 1
....	2	....	2	....	....	....	2
....	2	....	1	....	1	20	5
5	1	4	....	...	....	6	2	4	....	....	....	IV 1
1	1	....	...	....	8	....	1	1	6	140	2 a
1	1	....	...	....	1	....	1	....	....	....	b
1	1	....	....	1	....	....	1	....	....	6
2	1	....	1	\$25	5	....	1	1	3	65	V 1
2	1	1	....	....	8	....	2	1	5	105	2 a
2	2	....	....	....	7	....	3	2	2	40	b
3	1	1	1	20	10	....	1	5	4	80	VI 1
3	(1) 1	....	1	20	9	....	(1) 2	1	5	140	VII
....	2	....	1	....	1	20	VIII 3
....	1	....	....	....	1	20	5
26	2	(1) 16	4	3	\$65	134	3	(7) 64	19	41	\$1,055	

Table 6-B — PROSECUTIONS FOR VIOLATIONS OF

SUBJECT OF LAW INVOLVED	FIRST INSPECTION DISTRICT				
	Number of cases	RESULTS TO JUNE 30, 1919			
		Pend- ing	Dis- missed, ac- quitted or with- drawn*	Convicted	
				Sen- tence sus- pended	Fined
					Fines
I. ADMINISTRATION					
4. Interfering with inspector	1	1			
5. Conducting bakery without sanitary certificate					
II. SANITATION					
1. Toilet facilities:					
a. Water closets	118	25	(9) 71	10	3
b. Wash rooms (including personal cleanliness)	40	8	(2) 23	5	2
c. Dressing rooms	91	15	(9) 54	7	6
2. Cleanliness or repair of workrooms, halls, etc.	35	3	(6) 15	6	5
3. Ventilation, heat and humidity:					
b. Removal of dust, fumes, etc.	33	9	(9) 19	2	3
4. Lighting (eyesight protection)	31	7	(9) 13	1	1
5. Mattresses, etc.	8	6	1		1
III. ACCIDENT PREVENTION					
1. Elevators and hoistways					
2. Machinery (including vats, pans, etc.)	32	4	(4) 17	2	5
4. Stairs, platforms, pits, floors, etc. (including repairs)	20		(4) 14	2	
5. Lighting to prevent accidents	8		(3) 1	3	1
6. Window cleaning	2	1	1		
IV. FIRE PROTECTION					
1. Structural conditions:					
a. Number of exits					
c. Stairways					
e. Partitions					
2. Clear means of egress:					
a. Locked doors	111	2	2	18	89
b. Other	6		1	3	2
3-a. Fire alarms					
6. Smoking					
V. CHILDREN					
1. Under 14 years	110	1	7	52	50
2. From 14 to 16 years:					
a. Certificates	249		(1) 12	167	69
b. Hours	37	2		18	17
c. Prohibited occupations	11			8	3
VI. WOMEN AND MALE MINORS					
1. Hours	187	1	4	42	140
2. Prohibited occupations	1			1	
VII. DAY OF REST					
Day of rest	113	1	(1) 6	35	70
VIII. MISCELLANEOUS					
3. First aid appliances	25	2	(5) 13	4	1
5. Tenements	47	6	5	19	17
Total	1,316	94	(53) 279	405	485
Grand total	1,424	95	(59) 327	420	523

* Withdrawn cases are given in parentheses.

THE LABOR LAW IN FACTORIES — (Concluded)

SECOND INSPECTION DISTRICT						TOTAL STATE						Subject number
RESULTS TO JUNE 30, 1919						RESULTS TO JUNE 30, 1919						
Number of cases	Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines	Number of cases	Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines	
			Sentence suspended	Fined					Sentence suspended	Fined		
in Current Year (July 1, 1918-June 30, 1919)												
.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	I 4
2	2	.....	.....	.....	.....	2	2	.....	.....	.....	.....	5
28	5	17	4	2	\$45	146	30	(9) 88	14	5	\$135	II 1 a
8	3	4	.....	1	20	48	11	(2) 27	5	3	65	b
1	.....	1	.....	.....	.....	92	15	(9) 55	7	6	140	c
11	5	4	1	1	20	46	8	(6) 19	7	6	150	2 3
6	2	4	.....	.....	.....	39	11	23	2	3	70	b
1	1	.....	.....	.....	.....	32	8	(9) 13	1	1	20	4
.....	.....	.....	.....	.....	.....	8	6	1	.....	1	10	8
8	2	6	.....	.....	.....	8	2	6	.....	.....	.....	III 1
10	8	2	.....	.....	.....	42	12	(4) 19	2	5	185	2
5	3	2	.....	.....	.....	25	3	(4) 16	2	.....	.....	4
2	.....	2	.....	.....	.....	10	.....	(3) 3	3	1	20	5
.....	.....	.....	.....	.....	.....	2	1	1	.....	.....	.....	6
13	7	4	2	.....	.....	13	7	4	2	.....	.....	IV 1
1	.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	a
1	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	c
14	1	4	3	6	150	125	3	6	21	95	2,145	2 a b
1	1	.....	.....	.....	.....	7	1	1	3	2	40	b
1	1	.....	.....	.....	.....	1	1	.....	.....	.....	.....	3-a
33	5	1	16	11	225	33	5	1	16	11	225	6
34	.....	(1) 3	17	13	290	144	1	(1) 10	69	63	1,290	V 1
126	1	(4) 24	73	24	485	375	1	(5) 36	240	93	1,995	2 a b c
5	.....	1	2	2	40	42	2	1	20	19	405	b
10	.....	4	4	2	40	21	.....	4	12	5	100	c
23	1	5	13	4	85	210	2	9	55	144	2,920	VI 1
3	1	1	1	.....	.....	4	1	1	2	.....	.....	2
9	3	1	1	4	85	122	4	(1) 7	36	74	1,560	VII
.....	.....	.....	.....	.....	.....	25	2	(5) 13	4	1	20	VIII 3
.....	.....	.....	.....	.....	.....	47	6	5	19	17	340	5
356	53	(5) 91	137	70	\$1,485	1,672	147	(58) 370	542	555	\$11,835	
382	55	(6) 107	141	73	\$1,550	1,806	150	(65) 434	581	596	\$12,890	

Table 7—VIOLATIONS OF THE LABOR LAW IN FACTORIES REFERRED TO COUNSEL WITHOUT ISSUANCE OF ORDERS IN YEAR ENDED JUNE 30, 1919

SUBJECT OF VIOLATION	NUMBER OF VIOLATIONS		
	Referred	Prosecuted	Not prosecuted by order of Commission
<i>(a) First Inspection District</i>			
I. ADMINISTRATION:			
4. Interfering with inspector.....	1	1	
IV. FIRE PROTECTION:			
2. Clear means of egress:			
a. Locked doors.....	119	111	8
V. CHILDREN:			
1. Under 14 years.....	110	110	
2. From 14 to 16 years:			
a. Certificates.....	271	249	22
b. Hours.....	42	37	5
c. Prohibited occupations.....	11	11	
VI. WOMEN AND MALE MINORS:			
1. Hours.....	201	187	14
2. Prohibited occupations.....	1	1	
VII. DAY OF REST:			
Day of rest.....	123	113	10
Total.....	879	820	50
<i>(b) Second Inspection District</i>			
IV. FIRE PROTECTION:			
2. Clear means of egress:			
a. Locked doors.....	17	14	3
6. Smoking.....	38	33	5
V. CHILDREN:			
1. Under 14 years.....	34	34	
2. From 14 to 16 years:			
a. Certificates.....	147	126	21
b. Hours.....	17	5	12
c. Prohibited occupations.....	10	10	
VI. WOMEN AND MALE MINORS:			
1. Hours.....	39	23	16
2. Prohibited occupations.....	3	3	
VII. DAY OF REST:			
Day of rest.....	13	9	4
Total.....	318	257	61
<i>(c) Total State</i>			
I. ADMINISTRATION:			
4. Interfering with inspector.....	1	1	
IV. FIRE PROTECTION:			
2. Clear means of egress:			
a. Locked doors.....	136	125	11
6. Smoking.....	38	33	5
V. CHILDREN:			
1. Under 14 years.....	144	144	
2. From 14 to 16 years:			
a. Certificates.....	418	375	43
b. Hours.....	59	42	17
c. Prohibited occupations.....	21	21	
VI. WOMEN AND MALE MINORS:			
1. Hours.....	240	210	30
2. Prohibited occupations.....	4	4	
VII. DAY OF REST:			
Day of rest.....	136	122	14
Total.....	1,197	1,077	120

Table 8—CHILDREN FOUND ILLEGALLY EMPLOYED IN FACTORIES IN YEAR ENDED JUNE 30, 1919

LOCALITY	Number of establishments employing children	NUMBER OF CHILDREN										Total children
		UNDER 14 YEARS OF AGE				14-16, WORKING —						
		WITHOUT CERTIFICATES		WITHOUT CERTIFICATES AND ILLEGAL HOURS		ILLEGAL HOURS						
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls			
New York City:												
Bronx.....	7	1	.....	2	5	.....	.....	.....	.....	1	.....	9
Brooklyn.....	246	56	30	121	104	.....	.....	.....	.....	11	20	352
Manhattan.....	860	115	47	462	328	43	22	62	30	67	4	1,109
Queens.....	36	4	.....	18	32	1	.....	.....	.....	.....	.....	30
Richmond.....	19	.....	1	23	6	.....	.....	.....	.....	.....	.....	.....
Total — New York City.....	1,168	176	79	626	475	52	24	81	54	.....	.....	1,567
Long Island, outside of New York City.....	3	.....	.....	2	2	.....	.....	.....	.....	.....	1	5
Total — First District.....	1,171	176	79	628	477	52	24	81	55	.....	.....	1,572
Albany.....	10	1	.....	1	3	3	4	2	.....	.....	.....	15
Binghamton.....	3	.....	.....	2	.....	32	5	13	.....	.....	.....	4
Buffalo.....	129	12	.....	83	27	15	5	3	3	.....	.....	177
Rehoboth.....	55	2	.....	26	15	.....	.....	.....	.....	.....	.....	66
Schenectady.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Syracuse.....	32	.....	1	11	6	9	6	8	1	.....	.....	42
Troy.....	10	.....	.....	5	.....	3	2	1	.....	.....	.....	11
Utica.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Yonkers.....	10	1	.....	.....	3	.....	10	.....	.....	.....	.....	16
Remainder of State.....	214	55	20	133	89	91	39	45	8	.....	.....	480
Total — Second District.....	515	72	26	261	143	154	73	72	12	.....	.....	813
Total — State.....	1,686	248	105	889	620	206	97	153	67	.....	.....	2,385

Table 9 — CHILDREN FOR WHOM PROOF OF AGE WAS DEMANDED IN FACTORIES
IN YEAR ENDED JUNE 30, 1919

First Inspection District:	Age proven 16	Age proven 14-16 (certificate secured)	Age proven less than 14 (dis- charged)	Dis- charged without proof of age
Boys.....	16	11	.....	45
Girls.....	30	9	.....	51
Total.....	46	20	.....	96
Second Inspection District:				
Boys.....	18	2	.....	59
Girls.....	24	8	.....	57
Total.....	42	10	.....	116
Total State:				
Boys.....	34	13	.....	104
Girls.....	54	17	.....	108
Total.....	88	30	.....	212

Table 10 — CHILDREN FOUND AT PROHIBITED EMPLOYMENT IN FACTORIES
IN YEAR ENDED JUNE 30, 1919

LOCALITY	OCCUPATION	Number of estab- lishments	NUMBER OF CHILDREN (14 TO 18 YEARS OF AGE)	
			Boys	Girls
New York, Brooklyn.....	Dangerous machinery.....	8	9	.....
New York, Manhattan.....	Dangerous machinery.....	9	9	.....
New York, Queens.....	Dangerous machinery.....	1	1	.....
New York, Richmond.....	Dangerous machinery.....	1	.....	2
Total — First Inspection District.....		19	19	2
Albany.....	Dangerous machinery.....	2	1	1
Albion.....	Dangerous machinery.....	1	.....	1
Amsterdam.....	Dangerous machinery.....	1	1	.....
Amsterdam.....	Operating elevator.....	2	2	.....
Buffalo.....	Dangerous machinery.....	5	4	1
Caledonia.....	Dangerous machinery.....	1	.....	1
Central Valley.....	Dangerous machinery.....	1	.....	1
Chichester.....	Dangerous machinery.....	1	3	.....
Ellenville.....	Dangerous machinery.....	2	2	.....
Ellenville.....	Bottle washer in brewery.....	1	1	.....
Hamburg.....	Dangerous machinery.....	1	1	.....
Jamestown.....	Dangerous machinery.....	1	1	.....
Little Falls.....	Dangerous machinery.....	1	1	.....
Port Ewen.....	Dangerous machinery.....	1	1	.....
Rochester.....	Dangerous machinery.....	2	2	.....
Rochester.....	Operating elevator.....	2	1	1
Saugerties.....	Dangerous machinery.....	1	1	.....
Sidney.....	Dangerous machinery.....	1	1	.....
Syracuse.....	Dangerous machinery.....	3	3	1
Tonawanda (town).....	Dangerous machinery.....	1	1	.....
Troy.....	Manufacture of paint.....	1	1	.....
Troy.....	Dangerous machinery.....	1	.....	1
Walton.....	Dangerous machinery.....	1	1	.....
Woodridge.....	Dangerous machinery.....	1	.....	1
Total — Second Inspection District.....		35	29	9
Total State.....		54	43	11
		===	===	===

Table 11 — CHILDREN 14 TO 16 YEARS OF AGE FOUND EMPLOYED IN FACTORIES
IN YEAR ENDED JUNE 30, 1919*

CITY	Number of estab- lishments	NUMBER OF CHILDREN		
		Boys	Girls	Total
Albany.....	20	20	39	59
Amsterdam.....	19	62	52	114
Auburn.....	12	36	23	59
Batavia.....	3	4	2	6
Beacon.....	7	13	8	21
Binghamton.....	21	39	38	77
Buffalo.....	224	367	347	714
Canandaigua.....	1	.....	1	1
Cohoes.....	8	16	8	24
Corning.....	3	2	1	3
Cortland.....	.....	.....	.....	.....
Dunkirk.....	15	22	38	60
Elmira.....	4	6	12	18
Fulton.....	2	12	8	20
Geneva.....	4	17	20	37
Glen Cove.....	.....	.....	.....	.....
Glen Falls.....	6	9	3	12
Gloversville.....	34	58	31	89
Hornell.....	3	1	2	4
Hudson.....	3	7	12	19
Ithaca.....	2	1	1	2
Jamestown.....	33	60	15	75
Johnstown.....	19	30	16	46
Kingston.....	15	25	59	84
Lackawanna.....	1	10	3	13
Little Falls.....	6	15	4	19
Lockport.....	12	9	11	20
Mechanicville.....	3	3	4	7
Middletown.....	8	9	7	16
Mount Vernon.....	14	14	21	35
Newburgh.....	11	12	4	16
New Rochelle.....	6	9	12	21
New York.....	3,372	3,750	4,637	8,387
Bronx.....	61	90	254	344
Brooklyn.....	761	830	1,645	2,375
Manhattan.....	2,303	2,373	2,457	4,830
Queens.....	199	290	335	625
Richmond.....	48	167	48	213
Niagara Falls.....	21	55	24	79
North Tonawanda.....	15	37	39	76
Norwich.....	2	3	1	4
Ogdensburg.....	2	1	4	5
Olean.....	7	21	7	28
Oneida.....	1	8	5	13
Oneonta.....	3	1	4	5
Oswego.....	15	37	55	92
Plattsburg.....	.....	.....	.....	.....
Port Jervis.....	7	9	10	19
Poughkeepsie.....	8	6	12	18
Rensselaer.....	.....	.....	.....	.....
Rochester.....	169	400	397	797
Rome.....	9	7	11	18
Salamanca.....	5	6	1	7
Saratoga Springs.....	3	13	11	24
Schenectady.....	6	72	16	88

* See Table 8 for number of children, under 14 years of age, found illegally employed.

Table 11 — (Concluded)

CITY	Number of establishments	NUMBER OF CHILDREN		
		Boys	Girls	Total
Sherrill.....	1	2	1	3
Syracuse.....	79	181	91	223
Tonawanda.....	9	15	4	19
Troy.....	34	54	41	95
Utica.....	50	109	123	231
Watertown.....	4	8	3	11
Watervliet.....	7	7	5	12
White Plains.....	3	.....	3	3
Yonkers.....	15	7	37	44
Remainder of State.....	448	729	748	1,477
Total.....	4,814	6,376	7,102	13,478

Table 12 — ILLEGAL HOURS AND PROHIBITED EMPLOYMENT OF WOMEN AND MALE MINORS IN FACTORIES IN YEAR ENDED JUNE 30, 1919

SUBJECT	FIRST INSPECTION DISTRICT		SECOND INSPECTION DISTRICT		TOTAL STATE	
	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed
Illegal hours of —						
Women.....	260	963	60	826	320	1,789
Male minors.....	14	16	29	85	43	101
Prohibited employment of —						
Women.....	1	1	9	18	10	19
Male minors.....	1	2	3	5	4	7

Table 13 — VIOLATIONS OF DAY-OF-REST LAW IN FACTORIES IN YEAR ENDED JUNE 30, 1919

SUBJECT	FIRST INSPECTION DISTRICT		SECOND INSPECTION DISTRICT		TOTAL STATE	
	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed
Working on Sunday, no schedule posted.....	140	619	36	640	176	1,259
Working on designated day of rest.....	10	27	2	4	12	31
Working seven days a week..	6	11	67	1,273	73	1,284

Table 15 — WORK OF HOMEWORK INSPECTORS

	1919	1918	1917†	1916*	1915
Investigations (including reinvestigations) of applications for license	3,024	3,964	3,703	2,167	2,789
Inspections of licensed buildings	20,718	20,108	15,396	14,707	14,512
Inspections of unlicensed buildings	5,952	4,194	4,234	1,901	2,250
Inspections of apartments	271,580	274,464	206,247	187,733	177,210
Apartments in which work was in progress	19,205	16,460	15,251	14,974	11,404
Number of persons found at work	30,280	31,328	25,012	24,049	14,688
Inspections of licensed rear factory shops	82	172	240	378	810
Tagging cases (exclusive of "assisting") under section 102	813	464	322	275	122
Cases of contagious diseases reported in licensed tenement houses	25	15	18	14	28
Complaint investigations	240	249	249	371	206
Compliance visits	9,275	9,361	7,648	3,834	2,836
Miscellaneous matters			1,345	4,343	9,508
Department office calls	663	809	‡	‡	‡

* Nine months ended June 30, 1916.

† Twelve months ended June 30, 1917; up to 1915 year ended September 30.

‡ Comparative figures not available; previously included with miscellaneous matters.

Table 16 — LICENSING OF TENEMENTS IN YEAR ENDED JUNE 30, 1919

	New York City	Remainder of State	Total
Licenses outstanding July 1, 1918	16,242	933	17,175
Applications pending July 1, 1918	29		29
Applications received	2,769	212	2,981
Total	2,798	212	3,010
Applications cancelled	73		73
Applications pending June 30, 1919	26		26
Licenses granted:			
On first investigation	2,668	212	2,880
On reinvestigation	17		17
Total	2,685	212	2,897
Licenses cancelled	2,456	47	2,503
Licenses revoked	229		229
Total	2,685	47	2,732
Licenses refused	58		58
Licenses outstanding June 30, 1919	16,242	1,098	17,340

Table 17 — REGISTERS OF OUTSIDE WORKERS

YEAR ENDED JUNE 30*	Notifi- cations issued	Registers filed	Not found or out of business	Reported no outside hands
1919.....	3,112	1,726	340	223
1918.....	4,833	2,158	482	452
1917.....	2,468	1,643	240	136
1916 (nine months).....	2,336	1,459	282	161
1915.....	1,852	1,847	313	345
1914.....	3,407	1,886	154	167
1913.....	1,318	636	47	113
1912.....	4,164	1,976	253	212
1911.....	1,658	718	74	93
1910.....	2,924	1,999	463	262
1909.....	2,947	2,292	258	342
1908.....	2,743	2,101	330	432
1907.....	5,740	1,832	327	576

* Year ended on September 30 up to and including 1915.

Table 18 — PERMITS TO FACTORY OWNERS TO SEND WORK TO TENEMENTS
IN YEAR ENDED JUNE 30, 1919

Permits outstanding July 1, 1918.....	2,881
Issued during year.....	498
Cancelled and revoked during year.....	†315
Permits outstanding June 30, 1919.....	3,064

† Thereof, 77 were revoked.

Table 19 — ORDERS ISSUED BY THE DIVISION OF HOMEWORK INSPECTION AND REPORTED COMPLIANCES THEREWITH IN YEAR ENDED
JUNE 30, 1919

SUBJECT OF ORDERS	NUMBER OF ORDERS ISSUED IN —			NUMBER OF COMPLIANCES REPORTED IN —		
	First Inspection District	Second Inspection District	Total State	First Inspection District	Second Inspection District	Total State
II. Sanitation	2,729	670	3,399	2,573	670	3,243
1. Toilet facilities:.....						
a. Water closets.....	1,008	66	1,074	1,014	66	1,080
b. Repair of plumbing in living rooms.....	105	.....	105	82	.....	82
2. Cleanliness or repair of apartments, halls, etc.:.....						
a. Clean by scrubbing floors, etc., of apartments.....	380	117	497	348	117	465
b. Clean by scrubbing floors and stairs of halls.....	166	284	450	162	284	446
c. Repair walls of halls.....	61	.....	61	52	.....	52
d. Paint walls and ceilings of halls.....	193	.....	193	168	.....	168
e. Wash walls of halls.....	399	3	402	336	3	339
f. Remove rubbish and dirt from halls, cellars, yards, etc.....	417	200	617	411	200	611
VIII. Miscellaneous	188	.....	188	191	.....	191
1. Cease employing persons not members of family.....	68	.....	68	71	.....	71
2. Cease making articles of food, dolls, dolls' clothing or children's wearing apparel.....	120	.....	120	120	.....	120
3. Cease working in cellar.....	.....	.....	.....	.....	.....	.....
Total	2,917	670	3,587	2,764	670	3,434

* This total of compliances includes 569 orders which were no longer outstanding as orders by reason of tagging, revocation of licenses, etc.

Table 20 — CHILDREN FOUND ILLEGALLY EMPLOYED IN LICENSED TENEMENT LIVING ROOMS IN YEAR ENDED JUNE 30, 1919

LOCALITY	NUMBER OF CHILDREN —						Total children
	NUMBER OF —		UNDER 14 YEARS OF AGE		14-16, WORKING WITHOUT CERTIFICATES		
			Boys	Girls	Boys	Girls	
New York City:							
Bronx.....	48	52	16	45	2	14	77
Brooklyn.....	60	63	27	52	2	15	96
Manhattan.....	299	348	86	308	6	88	488
Queens.....	1	1	.....	1	.....	.....	1
Richmond.....	.....	.....	.....	.....	.....	.....	.....
Total — New York City.....	408	464	129	406	10	117	662
Long Island outside of New York City...	.....	.....	.....	.....	.....	.....	.....
Total — First District.....	408	464	129	406	10	117	662
Albany.....	1	1	.....	1	.....	.....	1
Binghamton.....	.....	.....	.....	.....	.....	.....	.....
Buffalo.....	.....	.....	.....	.....	.....	.....	.....
Rochester.....	1	1	.....	.....	.....	1	1
Schenectady.....	.....	.....	.....	.....	.....	.....	.....
Syracuse.....	.....	.....	.....	.....	.....	.....	.....
Troy.....	.....	.....	.....	.....	.....	.....	.....
Utica.....	.....	.....	.....	.....	.....	.....	.....
Yonkers.....	.....	.....	.....	.....	.....	.....	.....
Remainder of State.....	2	2	.....	1	.....	2	3
Total — Second District.....	4	4	.....	2	.....	3	5
Total — State.....	412	468	129	408	10	120	667

Table 21 — WORK OF MERCANTILE INSPECTORS, BY KINDS OF WORK

Regular Inspections:	1914	1915	1916*	1917	1918	1919
Mercantile.....	22,778	23,867	22,781	†	†	†
Office.....	1,149	380	965	†	†	†
Hotel.....	39	17	21	†	†	†
Bowling alleys.....	343	57	150	†	†	†
Places of amusement.....	103	106	76	†	†	†
Barber shops.....	63	55	28	†	†	†
Shoe polishing stands.....	46	24	45	†	†	†
Total.....	24,521	24,006	24,066	26,060	40,926	41,453
Special Inspections:						
Mercantile.....	4,957	4,880	2,800	†	†	†
Office.....	83	105	37	†	†	†
Hotel.....	2	17	2	†	†	†
Bowling alleys.....	89	1	7	†	†	†
Places of amusement.....	12	5	8	†	†	†
Barber shops.....	.....	4	2	†	†	†
Shoe polishing stands.....	10	6	5	†	†	†
Total.....	5,103	5,018	2,861	7,074	5,772	5,358
Investigations:						
Complaints.....	913	1,167	1,193	1,426	1,388	1,191
Compliances.....	21,472	20,672	16,717	35,270	49,718	55,069
Total.....	22,385	21,839	17,910	36,696	51,106	56,260

* Nine months ended June 30, 1916.

† Comparative data, by kinds of work, not available.

Table 22 — WORK OF MERCANTILE INSPECTORS, BY LOCALITIES

	REGULAR INSPECTIONS		SPECIAL INSPECTIONS		INVESTIGATIONS OF —			
					COMPLAINTS		COMPLIANCES	
	1918	1919	1918	1919	1918	1919	1918	1919
New York City.....	26,813	29,400	4,874	4,591	1,314	1,087	40,779	43,908
Buffalo.....	3,904	3,509	115	129	20	21	1,609	2,122
Rochester.....	2,090	1,813	215	223	16	20	1,330	1,721
Total — First class cities.....	32,807	34,722	5,204	4,943	1,350	1,128	43,718	47,751
Albany.....	588	840	49	72	10	7	762	1,431
Binghamton.....	531	500	18	17	4	1	459	450
Schenectady.....	782	1,140	49	45	5	13	1,302	1,221
Syracuse.....	2,589	1,796	208	163	18	19	579	985
Troy.....	452	341	20	22	.....	2	673	940
Utica.....	1,321	875	41	29	.....	6	1,459	1,028
Yonkers.....	804	646	44	55	.....	9	385	1,125
Third class cities.....	§	9	§	9	§	.....	§	5
Localities other than first and second class cities†	1,052	584	139	3	1	6	381	153
Grand total.....	40,926	41,453	5,772	5,358	1,388	1,191	49,718	55,059

† Enforcement of "one day of rest in seven" law.

§ Enforcement of mercantile provisions of Labor Law by State Industrial Commission became effective in third class cities in June, 1919.

Table 23—ORDERS ISSUED BY THE DIVISION OF MERCANTILE INSPECTION IN YEAR ENDED JUNE 30, 1919

SUMMARY OF ORDERS	NUMBER OF ORDERS ISSUED IN—		
	First Inspection District (a)	Second Inspection District (b)	Total State
I. Administration	34,614	11,116	45,730
1. Posting of laws, permits, notices, etc.....	34,614	11,116	45,730
2. Keeping of records, registers, etc.....			
II. Sanitation	27,689	6,063	33,752
1. Toilet facilities:			
a. Water closets.....	20,282	4,067	24,349
b. Wash rooms and sinks (including personal cleanliness).....	4,622	1,055	5,677
c. Dressing rooms.....	401	72	473
2. Cleanliness or repair of sales rooms, etc.....	1,740	783	2,523
3. Ventilation, heat and humidity.....	3		3
4. Lighting (eyesight protection).....	13	4	17
5. Meals.....	44	2	46
6. Drinking water and drinking cups.....	87	6	93
7. Marking mattresses.....	497	74	571
III. Accident Prevention	443	548	1,011
1. Machinery and apparatus.....	6	2	8
2. Electric switchboards, wires, etc.....	2	47	49
3. Stairs.....	394	413	807
4. Lighting to prevent accidents.....	36	104	140
5. Window cleaning.....	5	2	7
V. Children	22	10	32
2. From 14 to 16 years:			
b. Hours.....	22	10	32
c. Employment in basements.....			
VI. Women	134	31	165
1. Employment after childbirth.....			
2. Seats for women.....	15	5	20
3. Hours.....	115	26	141
4. Employment in basements.....	4		4
VII. Day of Rest	9,091	*2,547	11,638
VIII. Miscellaneous			
1. Payment of wages without deduction for benefit funds.....			
2. First aid appliances.....			
Total	71,993	20,335	92,328

(a) Comprises New York City only until May 31, 1919; thereafter, Glen Cove is included.

(b) Comprises first and second-class cities other than New York City until May 31, 1919; thereafter, third-class cities are included.

* Includes 533 orders in localities outside of first and second-class cities.

Table 24 — COMPLIANCES WITH ORDERS REPORTED BY THE DIVISION OF MERCANTILE INSPECTION IN YEAR ENDED JUNE 30, 1919

SUBJECT	NUMBER OF COMPLIANCES REPORTED —					
	IN FIRST INSPECTION DISTRICT (a)			IN SECOND INSPECTION DISTRICT (b)		
	Prior to July 1, 1918	Between July 1, 1918, and June 30, 1919	Total	Prior to July 1, 1918	Between July 1, 1918, and June 30, 1919	Total
I. Administration.						
1. Posting of laws, permits, notices, etc.	34,614	34,614	18	11,109	11,127
2. Keeping of records, registers, etc.	34,614	34,614	18	11,109	11,127
II. Sanitation.						
1. Toilet facilities	5,355	25,236	30,602	2,391	4,743	7,134
a. Water closets	18,583	22,306	1,516	3,233	4,749
b. Wash rooms and sinks (including personal cleanliness)	1,018	4,236	5,254	562	785	1,347
c. Dressing rooms	102	4,333	4,435	16	61	77
2. Cleanliness of repair of sales rooms, etc.	416	1,536	1,952	198	639	837
3. Ventilation, heat and humidity	2	3	63	65
4. Lighting (eye-sight protection)	1	11	12	24	3	27
5. Meals	12	30	42	3	2	5
6. Drinking water and drinking cups	3	79	82	4	5	9
7. Making mattresses	1	405	406	15	15
III. Accident Prevention.						
1. Machinery and apparatus	74	368	442	148	474	622
2. Electric switchboards, wires, etc.	4	6	10	1	2	3
3. Stairs	2	1	3	1	47	48
4. Lighting to prevent accidents	68	336	404	146	337	483
5. Window cleaning	24	24	88	88
V. Children.						
1. From 14 to 16 years:	6	23	28	5	7	12
b. Hours	6	23	28	5	7	12
c. Employment in basements
VI. Women.						
1. Employment after childbirth	17	97	114	22	24	46
2. Seats for women	8	8	1	5	6
3. Hours	17	89	106	21	19	40
4. Employment in basements
IN TOTAL STATE ON ORDERS ISSUED —						
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
Between July 1, 1918, and June 30, 1919	7,787	29,979	37,766	7,787	29,979	37,766
Total
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
Between July 1, 1918, and June 30, 1919	7,787	29,979	37,766	7,787	29,979	37,766
Total
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Total
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Total
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Total
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
Between July 1, 1918, and June 30, 1919	7,787	29,979	37,766	7,787	29,979	37,766
Total
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
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Total
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
Between July 1, 1918, and June 30, 1919	7,787	29,979	37,766	7,787	29,979	37,766
Total
Prior to July 1, 1918	18	45,723	45,741	18	45,723	45,741
Between July 1, 1918, and June 30, 1919</						

VII. Day of Rest.....	83	9,091	9,179	*133	12,380	2,513	221	11,471	11,602
VIII. Miscellaneous.....	1	.....	1	.....	.....	.....	1	.....	1
1. Payment of wages without deduction for benefit funds.....	1	.....	1	.....	.....	.....	1	.....	1
3. First aid appliances.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	5,552	69,428	74,980	2,717	18,737	21,454	8,269	88,165	106,434

(a) Comprises New York City only until May 31, 1919; thereafter, Glen Cove is included.

(b) Comprises first and second-class cities other than New York City until May 31, 1919; thereafter, third-class cities are included.

* Includes 17 compliances in localities outside of first and second-class cities.

† Includes 491 compliances in localities outside of first and second-class cities.

‡ The total compliances include the waiver of 5,727 orders. These waivers resulted from the cessation of the illegal conditions by reason of modifications of the law, Industrial Code, or accompanying circumstances such as to make the original orders no longer necessary. The distribution of the 5,727 waivers was as follows: In the First Inspection District, 1,698 and 2,643 on orders issued prior to July 1, 1918, and between July 1, 1918, and June 30, 1919, respectively; in the Second Inspection District, 683 and 703 on orders issued prior to July 1, 1918, and between July 1, 1918, and June 30, 1919, respectively.

Table 25 — PROSECUTIONS FOR VIOLATIONS OF THE

SUBJECT OF LAW INVOLVED	FIRST INSPECTION DISTRICT					
	Number of cases	RESULTS TO JUNE 30, 1919				
		Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines
				Sentence suspended	Fined	
<i>A — Proceedings Instituted</i>						
II. SANITATION						
1. Toilet facilities:						
a. Water closets.....	1	.....	.....	1	.....	.....
V. CHILDREN						
1. Under 14 years.....	7	.....	.....	5	2	\$40
2. From 14 to 16 years:						
a. Certificates.....	7	.....	.....	6	1	30
b. Hours.....	1	.....	.....	.....	1	50
VI. WOMEN AND MALE MINORS						
1. Hours.....	7	.....	(1)....	4	2	40
VII. DAY OF REST						
Day of rest.....	5	.....	.....	1	4	170
Total.....	28	.....	(1)....	17	10	\$320
<i>B — Proceedings Instituted in Current</i>						
I. ADMINISTRATION						
4. Interfering with inspector.....	1	.....	.....	.....	1	\$50
II. SANITATION						
1. Toilet facilities:						
a. Water closets.....	41	11	(3) 25	2	.....	.....
b. Wash rooms (including personal cleanliness).....	10	2	(1) 6	1	.....	.....
2. Cleanliness or repair of salesrooms, etc.....	1	.....	(1)....	.....	.....	.....
7. Mattresses, etc.....	28	14	3	1	10	240
III. ACCIDENT PREVENTION						
4. Stairs, platforms, pits, floors, etc. (including repairs).....	.....	.....	.....	.....	.....	.....
V. CHILDREN						
1. Under 14 years.....	407	10	18	270	114	2,365
2. From 14 to 16 years:						
a. Certificates.....	231	4	(2) 8	163	54	1,080
b. Hours.....	31	.....	.....	22	9	180
VI. WOMEN AND MALE MINORS						
1. Hours.....	146	2	9	81	54	1,150
VII. DAY OF REST						
Day of rest.....	94	2	(1) 4	39	48	990
Total.....	990	45	(8) 68	579	290	\$6,055
Grand total.....	1,018	45	(9) 68	596	300	\$6,375

* Withdrawn cases are given in parentheses.

LABOR LAW IN MERCANTILE ESTABLISHMENTS

SECOND INSPECTION DISTRICT						TOTAL STATE						Subject number
RESULTS TO JUNE 30, 1919						RESULTS TO JUNE 30, 1919						
Number of cases	Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines	Number of cases	Pending	Dismissed, acquitted or withdrawn*	Convicted		Fines	
			Sentence suspended	Fined					Sentence suspended	Fined		

Prior to July 1, 1918

.....	....	.....	.....	...	....	1	....	.....	1	...	....	II 1
1	....	.....	1	...	....	8	....	.....	6	2	\$40	V 1
3	....	.....	3	...	....	10	....	.....	9	1	20	2
1	....	.....	.....	1	\$20	2	....	.....	.....	2	70	a b
13	5	1	4	3	60	20	5	(1) 1	8	5	100	VI 1
1	....	(1)....	.....	...	....	6	....	(1)....	1	4	170	VII
19	5	(1) 1	8	4	\$80	47	5	(2) 1	25	14	\$400	

Year (July 1, 1918-June 30, 1919)

.....	....	.....	.....	...	....	1	....	.....	.....	1	\$50	I 4
17	2	12	3	...	....	58	13	(3) 37	5	...	.....	II 1
5	....	1	4	...	....	15	2	(1) 7	5	...	.....	a b
3	....	2	1	...	....	4	....	(1) 2	1	...	.....	2
.....	....	.....	.....	...	....	28	14	3	1	10	240	7
5	1	(1) 3	.....	...	....	5	1	(1) 3	.....	...	.....	III 4
36	1	4	28	3	\$60	443	11	17	298	117	2,425	V 1
39	....	(1) 4	27	7	140	270	4	(3) 12	190	61	1,220	2
7	....	.....	6	1	20	38	....	.....	28	10	200	a b
35	6	7	20	2	50	181	8	16	101	56	1,200	VI 1
33	2	2	11	18	360	127	4	(1) 6	50	66	1,350	VII
180	12	(2) 35	100	31	\$630	1,170	57	(10) 103	679	321	\$6,685	
199	17	(3) 36	108	35	\$710	1,217	62	(12) 104	704	335	\$7,085	

Table 26 — VIOLATIONS OF THE LABOR LAW IN MERCANTILE ESTABLISHMENTS
REFERRED TO COUNSEL WITHOUT ISSUANCE OF ORDERS IN YEAR ENDED
JUNE 30, 1919

SUBJECT OF VIOLATION	NUMBER OF VIOLATIONS		
	Referred	Prosecuted	Not prosecuted by order of Commission
<i>(a) First Inspection District</i>			
I. ADMINISTRATION:			
4. Interfering with inspector.....	1	1	.....
V. CHILDREN:			
1. Under 14 years.....	407	407	.....
2. From 14 to 16 years:			
a. Certificates.....	250	231	19
b. Hours.....	35	31	4
VI. WOMEN AND MALE MINORS:			
1. Hours.....	164	146	18
VII. DAY OF REST:			
Day of Rest.....	101	94	7
Total.....	958	910	48
<i>(b) Second Inspection District</i>			
V. CHILDREN:			
1. Under 14 years.....	36	36	.....
2. From 14 to 16 years:			
a. Certificates.....	45	39	6
b. Hours.....	13	7	6
VI. WOMEN AND MALE MINORS:			
1. Hours.....	38	35	3
VII. DAY OF REST:			
Day of Rest.....	34	33	1
Total.....	166	150	16
<i>(c) Total State</i>			
I. ADMINISTRATION:			
4. Interfering with inspector.....	1	1	.....
V. CHILDREN:			
1. Under 14 years.....	443	443	.....
2. From 14 to 16 years:			
a. Certificates.....	295	270	25
b. Hours.....	48	38	10
VI. WOMEN AND MALE MINORS:			
1. Hours.....	202	181	21
VII. DAY OF REST:			
Day of Rest.....	135	127	8
Total.....	1,124	1,060	64

TABLE 27—CHILDREN FOUND ILLEGALLY EMPLOYED IN MERCANTILE ESTABLISHMENTS IN YEAR ENDED JUNE 30, 1919

LOCALITY	Number of establishments	NUMBER OF CHILDREN									
		UNDER 14 YEARS OF AGE		14-16, WORKING --				Total			
				WITHOUT CERTIFICATES		WITHOUT CERTIFICATES AND ILLEGAL HOURS					
		Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls		
New York City:											
Bronx.....	360	160	3	132	1	60	1	18	.....	.....	384
Brooklyn.....	826	487	4	257	17	104	11	30	.....	6	916
Manhattan.....	1,522	623	16	715	77	187	9	26	.....	5	1,653
Queens.....	147	79	2	47	4	21	14	7	.....	1	175
Richmond.....	6	5	.....	1	.....	.....	.....	.....	.....	.....	6
Total — First District.....	2,861	1,363	25	1,152	99	372	35	81	12	.....	3,139
Albany.....	46	16	4	22	2	1	.....	6	.....	1	52
Binghamton.....	33	13	1	9	2	6	.....	1	.....	.....	33
Buffalo.....	75	34	3	15	3	13	5	4	.....	.....	77
Rochester.....	149	76	1	61	8	6	.....	3	.....	.....	155
Schenectady.....	46	15	.....	19	2	10	.....	2	.....	.....	48
Syracuse.....	81	18	.....	32	15	16	.....	9	.....	3	94
Troy.....	20	5	2	8	.....	3	1	1	.....	1	21
Utica.....	74	27	.....	43	.....	17	.....	3	.....	1	95
Yonkers.....	34	8	.....	18	2	4	.....	.....	.....	2	36
Other cities.....	10	1	.....	5	.....	.....	.....	.....	.....	.....	10
Total — Second District.....	568	213	11	232	38	76	10	33	8	.....	621
Total — State.....	3,429	1,576	36	1,384	137	448	45	114	20	.....	3,760

Table 28 — CHILDREN FOR WHOM PROOF OF AGE WAS DEMANDED IN MERCANTILE ESTABLISHMENTS IN YEAR ENDED JUNE 30, 1919

	Age proven 16	Age proven 14-16 (certificate secured)	Age proven less than 14 (dis- charged)	Dis- charged without proof of age
First Inspection District:				
Boys.....	8	2	.....	32
Girls.....	27	3	.....	33
Total.....	35	5	.....	65
Second Inspection District:				
Boys.....	.....	1	.....	3
Girls.....	1	.....	.....	5
Total.....	1	1	.....	8
Total State:				
Boys.....	8	3	.....	35
Girls.....	28	3	.....	38
Total.....	36	6	.....	73

Table 29 — CHILDREN 14 TO 16 YEARS OF AGE FOUND EMPLOYED IN MERCANTILE ESTABLISHMENTS ‡

LOCALITY	Number of Estab- lish- ments	NUMBER OF CHILDREN FOUND EMPLOYED		
		Boys	Girls	Total
New York City.....	2,256	2,822	1,727	4,549
Bronx.....	807	818	41	859
Brooklyn.....	477	498	508	994
Manhattan.....	1,470	2,019	1,155	3,174
Queens.....	87	95	27	182
Richmond.....	5	4	2	6
Buffalo.....	122	228	100	328
Rochester.....	131	219	230	449
Total — First-class cities: 1919.....	2,509	3,269	2,057	5,326
1918.....	2,359	3,234	1,416	4,650
1917.....	2,147	2,951	1,657	4,608
*1916.....	1,737	2,642	1,311	3,953
1915.....	†	2,604	1,049	3,653
1914.....	†	3,296	2,471	5,767
1913.....	†	3,734	2,120	5,854
1912.....	†	2,471	1,698	4,169
1911.....	†	2,075	1,332	3,407
1910.....	†	2,805	1,316	4,121
1909.....	†	3,681	1,633	5,314
Albany.....	42	57	19	76
Binghamton.....	30	27	3	30
Schenectady.....	67	67	15	82
Syracuse.....	97	116	74	190
Troy.....	13	14	8	22
Utica.....	72	88	26	114
Yonkers.....	39	38	6	44
Total — Second-class Cities: 1919.....	360	407	151	558
1918.....	332	408	177	585
1917.....	367	462	134	596
*1916.....	352	458	123	581
1915.....	†	293	41	334
1914.....	†	634	247	881
Kingston.....	5	5	.....	5
Mount Vernon.....	1	1	.....	1
Olean.....	1	2	.....	2
Total — Third class cities: 1919.....	7	8	.....	8
Total — All cities: 1919.....	2,876	3,684	2,208	5,892
1918.....	2,691	3,642	1,593	5,235
1917.....	2,514	3,413	1,791	5,204
*1916.....	2,089	3,100	1,434	4,534
1915.....	†	2,897	1,090	3,987
1914.....	†	3,930	2,718	6,648

* Nine months ended June 30, 1916.

† Comparative data not available.

‡ See Table 27 for number of children, under 14 years of age, found illegally employed.

Table 30 — ILLEGAL HOURS OF WOMEN AND MALE MINORS IN MERCANTILE ESTABLISHMENTS IN YEAR ENDED JUNE 30, 1919

SUBJECT	FIRST INSPECTION DISTRICT		SECOND INSPECTION DISTRICT		TOTAL STATE	
	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed
Illegal hours of —						
Women.....	400	484	94	135	494	619
Male minors.....	8	8	1	1	9	9

Table 31 — VIOLATIONS OF DAY-OF-REST LAW IN MERCANTILE ESTABLISHMENTS IN YEAR ENDED JUNE 30, 1919

SUBJECT	FIRST INSPECTION DISTRICT		SECOND INSPECTION DISTRICT		TOTAL STATE	
	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed	Number of firms	Number of persons illegally employed
Working on Sunday, no schedule posted.....	435	524	122	158	557	682
Working on designated day of rest.....	66	67	15	16	81	83
Working seven days a week....	6	6	4	6	10	12

Table 32 — COMPLAINTS, ALLEGING VIOLATION OF THE LABOR LAW IN MERCANTILE ESTABLISHMENTS, INVESTIGATED

SUBJECT OF COMPLAINT	NUMBER OF COMPLAINTS			
	Sustained	Not sustained	Total	Thereof anonymous
ADMINISTRATION				
Posting of laws, permits, notices, etc.	1		1	1
SANITATION				
Toilet facilities:				
Water closets	100	67	167	50
Wash rooms	4		4	3
Dressing rooms		3	3	
Cleanliness or repair of salesrooms	5		5	3
Running hot water	1	1	2	1
Lunch hour	11	9	20	6
Heating		2	2	1
Drinking water		1	1	1
Marking mattresses	88	17	105	62
ACCIDENT PREVENTION				
Stairs		1	1	
CHILDREN				
Under 14 years of age	121	174	295	139
From 14 to 16 years of age:				
Without certificates	63	92	155	39
Hours	31	44	75	26
Employment in basements				
WOMEN AND MALE MINORS				
Hours	80	158	238	106
Seats for women	2	2	4	1
DAY OF REST				
Day of rest	37	42	79	63
MISCELLANEOUS				
Payment of wages	3		3	2
Not specified		31	31	20
<hr/>				
1919	547	644	1,191	524
1918	550	838	1,388	678
1917	517	909	1,426	937
1916†	508	685	1,193	814
Total 1915	534	633	1,167	753
1914	447	466	913	556
1913	145	108	253	97
1912	95	140	235	77
1911	122	100	222	81

† Nine months ended June 30, 1916.

Table 33 — CASES OF INDUSTRIAL DISEASE REPORTED TO DEPARTMENT OF LABOR UNDER SECTION 63 OF THE LABOR LAW IN EIGHT YEARS

INDUSTRY	YEAR ENDED AUGUST 31, 1919			YEAR ENDED AUGUST 31, 1918			YEAR ENDED AUGUST 31, 1917			YEARS ENDED AUGUST 31, 1912-1919, INCLUSIVE		
	Number of cases	Thereof deaths*	Lead Poisoning	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*	
Painting.....	12	1	1	16	2	59	6	346	62			
House, structural or ship.....	11	1	1	13	2	56	5	270	51			
Factory or shop.....	1			3		3	1	76	11			
Automobiles.....	1			1		1			1			
Carrriages and wagons.....				1					26		1	
Signs, illustrations, theatrical scenery.....						1	1		23		6	
Agricultural implements.....									8		1	
Cars.....									6			
Shed metal work.....									5		1	
Engines.....						1			5			
Aeroplanes.....									2		1	
Barbers' supplies.....									1			
Bicycles.....									1			
Electrical goods.....									1			
Pianos.....									1			
Window shades.....									1			
Machinery.....			1						1			
Manufacturing.....	22	2	2	18	2	71	4	301	24			
Storage batteries.....	8			4		47		134	3			
White lead, paints and colors.....	1	1	1	4		10	2	60	5			
Smelting or casting lead, solder, etc.....				3	1	5	1	18	4			
Printing.....	1			1		3		18	4			
Wire goods.....	1					1		8				
Electrical goods.....	6		1	5				12	2			
Brass and copper goods.....	3							8				
Rubber goods.....	1					1		6				
Tin cans.....				1	1			5				
Smelting copper.....								4			2	
Cut glass.....								3			1	
Linoleum.....								3				
Sheet metal work.....						1	1	3				
Brewery.....								2			1	

[illegible]

Calsson Disease

Caisson work (tunnels, shafts, etc.)	14	229	1	101	472
Anthrax					
Tanneries	2	3	..	7	26
Docks and warehouses (handling skins)	..	6	..	3	13
Farm work	2	2	1	1	8
Brush making	2	2	..	2	6
Boot and shoe manufacture	..	..	..	..	1
Driver	1	1	..	1	1
Dry goods store	..	..	..	1	1
Junk handler	..	..	..	..	..
Rugs, woolen manufacture	..	..	..	1	1
Veterinary practice	..	1	1	..	1
Stable man	..	4	1	..	1
Miscellaneous	3	..	..	..	7
Total—Anthrax	7	18	2	16	67
					15

*Represent cases in which disease report or death certificate showed the industrial disease to have been the immediate or a contributory cause of death.

Table 33 — CASES OF INDUSTRIAL DISEASE REPORTED TO DEPARTMENT OF LABOR UNDER SECTION 65 OF THE LABOR LAW IN EIGHT YEARS — (Concluded)

INDUSTRY	YEAR ENDED AUGUST 31, 1919		YEAR ENDED AUGUST 31, 1918		YEAR ENDED AUGUST 31, 1917		YEARS ENDED AUGUST 31, 1912-1919, INCLUSIVE	
	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*	Number of cases	Thereof deaths*
Brass Poisoning								
Brass goods (manufacture).....	1	1	4	1
Automobiles (manufacture).....	3	.....
Printing.....	1	.....	2	.....
Optical instruments (manufacture).....	1	.....
Photographic apparatus (manufacture).....	1	.....
Railway repair shop.....	1	.....
Safes (manufacture).....	1	.....
Thermometers (manufacture).....	1	.....
Miscellaneous.....	2	.....	.....	.....	1	.....
Total — Brass Poisoning.....	2	.....	2	.....	18	2
Arsenic Poisoning								
Paris green (manufacture).....	7	.....	10	.....
Arsenate of lead (manufacture).....	1	.....	1	.....
Drugs (manufacture).....	1	.....
Paints (manufacture).....	1	.....
Tannery.....	1	.....
Insect exterminating.....	1	.....	.....	.....	1	.....
Total — Arsenic Poisoning.....	2	.....	8	.....	15	.....
Mercury Poisoning								
Chemicals (manufacture).....	1
Thermometers (manufacture).....	1	.....	2	.....
Hatters' fur (manufacture).....	1	.....	4	.....
Furs (handling).....	2	.....
Glass blowing.....	1	.....
Rubber goods (manufacture).....	1	.....
Total — Mercury Poisoning.....	2	.....	1	.....	2	.....	11	2

Wood Alcohol Poisoning									
Painting.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alcohol (manufacture).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shoe and stove polish (manufacture).....	1	.....	.....	.....	.....	.....	.....	.....	.....
Total — Wood Alcohol Poisoning.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Phosphorus Poisoning									
Matches (manufacture).....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Total.....	61	3	291	8	262	20	1,280	1	124

* Represent cases in which disease report or death certificate showed the industrial disease to have been the immediate or a contributory cause of death.

Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
ALBANY COUNTY.....	418	242	CATTARAUGUS COUNTY — (Concluded)		
<i>Cities</i>			<i>Towns</i>		
Albany.....	267	150	Allegany.....	2	1
Cohoes.....	77	45	Carrollton.....	2	....
Watervliet.....	48	27	Ellicottville.....	2	....
<i>Villages</i>			Farmersville.....	4	....
Green Island.....	10	5	Great Valley.....	1	....
Ravena.....	1	2	Little Valley.....	2	....
Voorheesville.....	1	....	Yorkshire.....	2	....
<i>Towns</i>			CATUGA COUNTY.....	160	121
Bethlehem.....	1	1	<i>City</i>		
Coeymans.....	....	7	Auburn.....	142	107
Colonie.....	11	4	<i>Villages</i>		
Guilderland.....	....	1	Cayuga.....	1	....
ALLEGANY COUNTY.....	20	9	Moravia.....	3	1
<i>Villages</i>			Port Byron.....	1	....
Andover.....	2	1	Weedsport.....	....	2
Richburg.....	1	....	<i>Towns</i>		
Wellsville.....	12	6	Brutus.....	1	1
<i>Towns</i>			Fleming.....	1	....
Andover.....	2	....	Genoa.....	1	....
Burns.....	....	1	Ira.....	2	....
Caneadesa.....	2	....	Ledyard.....	2	1
Granger.....	....	1	Locke.....	....	1
Scio.....	1	....	Moravia.....	....	1
BRONX COUNTY (See under New York City).			Scipio.....	....	1
BROOME COUNTY.....	198	101	Sennett.....	3	3
<i>City</i>			Sterling.....	2	1
Binghamton.....	167	83	Throop.....	1	1
<i>Villages</i>			Victory.....	....	1
Deposit.....	2	....	CHAUTAUQUA COUNTY.....	254	167
Endicott.....	12	8	<i>Cities</i>		
Johnson City.....	2	....	Dunkirk.....	63	53
Port Dickinson.....	1	....	Jamestown.....	133	72
Union.....	5	4	<i>Villages</i>		
Whitney Point.....	3	....	Bemus Point.....	1	....
<i>Towns</i>			Brocton.....	2	2
Barker.....	1	....	Falconer.....	14	11
Chenango.....	....	2	Forestville.....	2	....
Dickinson.....	1	1	Fredonia.....	7	10
Kirkwood.....	....	1	Mayville.....	4	....
Vestal.....	4	2	Silver Creek.....	7	....
CATTARAUGUS COUNTY.....	121	72	Westfield.....	2	....
<i>Cities</i>			<i>Towns</i>		
Olean.....	71	40	Busti.....	2	....
Salamanca.....	11	2	Carroll.....	1	1
<i>Villages</i>			Clymer.....	1	4
Allegany.....	3	3	Ellery.....	3	1
Cattaraugus.....	1	1	Ellington.....	1	....
Delevan.....	2	....	Gerry.....	2	1
Franklinville.....	6	10	Hanover.....	5	1
Gowanda.....	20	5	Harmony.....	....	1
Little Valley.....	2	....	Kiantone.....	1	....
Portville.....	....	1	Ripley.....	3	1
South Dayton.....	....	9	CHEMUNG COUNTY.....	95	83
			<i>City</i>		
			Elmira.....	87	66
			<i>Villages</i>		
			Elmira Heights.....	4	12
			Horseheads.....	1	....

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

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Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919 — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
CHEMUNG COUNTY— (Concluded)			CORTLAND COUNTY— (Concluded)		
<i>Towns</i>			<i>Villages</i>		
Big Flats.....	2	3	Homer.....	13	1
Chemung.....	1	...	McGraw.....	3	3
Southport.....	...	2	<i>Towns</i>		
<hr/>			Cortlandville.....	1	4
CHEMUNGO COUNTY.....	17	12	Scott.....	2	...
<i>City</i>			Solon.....	...	1
Norwich.....	7	3	Truxton.....	1	...
<i>Villages</i>			Virgil.....	2	...
Afton.....	...	1	<hr/>		
Bainbridge.....	3	2	DELAWARE COUNTY.....	23	12
Earlville (See Madison County).	...	...	<i>Villages</i>		
Greene.....	†	†	Delhi.....	2	...
New Berlin.....	1	1	Deposit (See Broome Co.).	...	...
Oxford.....	1	...	Sidney.....	4	6
Sherburne.....	...	2	Walton.....	7	3
<i>Towns</i>			<i>Towns</i>		
Greene.....	1	...	Colchester.....	2	...
Guilford.....	1	...	Franklin.....	2	2
Otsego.....	...	1	Hamden.....	1	1
Plymouth.....	3	1	Hancock.....	1	...
Preston.....	...	1	Sidney.....	1	...
<hr/>			Stamford.....	2	...
CLINTON COUNTY.....	14	9	Tampkins.....	1	...
<i>City</i>			<hr/>		
Plattsburg.....	5	3	DUTCHESS COUNTY.....	178	159
<i>Village</i>			<i>Cities</i>		
Keseeville.....	3	2	Beacon.....	34	35
<i>Towns</i>			Poughkeepsie.....	110	83
Black Brook.....	1	...	<i>Villages</i>		
Peru.....	1	...	Fishkill.....	...	1
Plattsburg.....	...	3	Pawling.....	1	...
Saranac.....	1	1	Rhinebeck.....	3	2
Schuyler Falls.....	3	...	Tivoli.....	1	2
<hr/>			Wappinger Falls.....	7	11
COLUMBIA COUNTY.....	57	54	<i>Towns</i>		
<i>City</i>			Amenia.....	...	1
Hudson.....	20	26	Fishkill.....	8	1
<i>Villages</i>			La Grange.....	4	...
Chatham.....	2	1	Milan.....	1	...
Kinderhook.....	2	2	Pawling.....	1	...
Philmont.....	9	6	Pine Plains.....	1	...
Valatie.....	2	2	Poughkeepsie.....	5	8
<i>Towns</i>			Red Hook.....	2	...
Austerlitz.....	2	...	<hr/>		
Claverack.....	...	1	ERIE COUNTY.....	2,074	1,467
Clermont.....	1	...	<i>Cities</i>		
Germanstown.....	...	1	Buffalo.....	1,818	1,295
Greenport.....	1	...	Lackawanna.....	35	22
Hilledale.....	1	...	Tonawanda.....	31	39
Kinderhook.....	1	...	<i>Villages</i>		
Stockport.....	6	7	Akron.....	9	3
Stuyvesant.....	7	8	Alden.....	2	4
Taghkanic.....	3	...	Angola.....	1	...
<hr/>			Depew.....	9	13
CORTLAND COUNTY.....	38	22	East Aurora.....	14	3
<i>City</i>			Farnham.....	2	2
Cortland.....	16	13	Gowanda (See Cattaraugus County)	...	...
			Hamburg.....	20	18
			Kenmore.....	2	...
			Lancaster.....	25	6
			North Collins.....	1	...
			Sloan.....	10	13
			Springville.....	2	...
			Williamsville.....	6	2

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

† Not reported.

Table 34—CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919—(Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
ERIE COUNTY—(Concluded)			GENESSEE COUNTY—(Concluded)		
<i>Towns</i>			<i>Villages</i>		
Amherst.....	4	2	Le Roy.....	1	4
Aurora.....	2	2	Oakfield.....	2	....
Brant.....	3	1	<i>Towns</i>		
Cheektowaga.....	13	14	Batavia.....	2	....
Clarence.....	3	1	Bergen.....	1	....
East Hamburg.....	3	2	Darien.....	4	....
Eden.....	6	6	Elba.....	1	....
Evans.....	1	1	Pembroke.....	2	....
Hamburg.....	2	....		
Holland.....	1	....		
Lancaster.....	25	....	GREENE COUNTY.....	28	14
Newstead.....	5	1	<i>Villages</i>		
Tonawanda.....	5	2	Athens.....	2	....
West Seneca.....	14	5	Catskill.....	9	9
			Coxsackie.....	2	4
ESSEX COUNTY	15	4	<i>Towns</i>		
<i>Villages</i>			Athens.....	2	1
Bloomington.....	1	....	Catskill.....	3	....
Keeseeville (See Clinton County)	....	....	Coxsackie.....	1	....
Lake Placid.....	1	....	Durham.....	1	....
Saranac Lake (See Frank- lin County)	....	....	Greenville.....	2	....
Ticonderoga.....	2	1	Lexington.....	2	....
<i>Towns</i>			Windham.....	4	....
Moriah.....	2	1			
Ticonderoga.....	9	2	HAMILTON COUNTY.....	1	....
			<i>Town</i>		
FRANKLIN COUNTY.....	25	15	Hope.....	1	....
<i>Villages</i>					
Chateaugay.....	1	....	HERKIMER COUNTY.....	186	69
Malone.....	....	3	<i>City</i>		
Saranac Lake.....	7	3	Little Falls.....	30	17
<i>Towns</i>			<i>Villages</i>		
Brighton.....	4	1	Dolgeville.....	9	10
Chateaugay.....	....	1	Frankfort.....	4	4
Constable.....	1	....	Herkimer.....	13	5
Franklin.....	2	2	Ilion.....	47	18
Moirs.....	2	....	Middleville.....	2	2
Santa Clara.....	1	....	Mohawk.....	....	1
Waverly.....	6	4	Newport.....	....	3
Westville.....	1	1	Old Forge.....	2	....
			<i>Towns</i>		
FULTON COUNTY.....	150	97	Fairfield.....	....	1
<i>Cities</i>			Frankfort.....	2	1
Gloversville.....	79	42	German Flats.....	....	1
Johnstown.....	43	49	Herkimer.....	7	3
<i>Villages</i>			Litchfield.....	1	....
Dolgeville (See Herkimer County)	....	....	Newport.....	1	....
Mayfield.....	1	....	Ohio.....	1	....
Northville.....	....	1	Salisbury.....	5	2
<i>Towns</i>			Stark.....	....	1
Broadalbin.....	4	2	Warren.....	1	....
Northampton.....	1	1	Webb.....	1	....
Oppenheim.....	2	1			
Perth.....	....	1	JEFFERSON COUNTY.....	91	36
			<i>City</i>		
GENESEE COUNTY.....	38	18	Watertown.....	65	28
<i>City</i>			<i>Villages</i>		
Batavia.....	25	12	Carthage.....	6	3
			Clayton.....	1	1
			Ellisburg.....	1	....
			Sacket Harbor.....	1	....
			West Carthage.....	4	1

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919 — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
JEFFERSON COUNTY — (Concluded)			MONROE COUNTY.....		
<i>Towns</i>			<i>City</i>	1,468	1,160
Adams.....	1	.....	Rochester.....	1,352	1,068
Champion.....	1	.....	<i>Villages</i>		
Ellisburg.....	1	.....	Brockport.....	15	11
Le Ray.....	.....	1	East Rochester.....	29	13
Lorraine.....	3	.....	Fairport.....	6	5
Rodman.....	1	.....	Hilton.....	2	1
Theresa.....	1	.....	Scottsville.....	5	.....
Watertown.....	2	1	Spencerport.....	1	2
Wilna.....	3	.....	Webster.....	2	3
Worth.....	.....	1	<i>Towns</i>		
KINGS COUNTY (See under New York City)			Brighton.....	1	.....
LEWIS COUNTY.....	12	3	Chili.....	1	.....
<i>Villages</i>			Gates.....	7	15
Croghan.....	1	.....	Hamlin.....	.....	1
Harrisville.....	2	.....	Irondequoit.....	2	1
Lowville.....	2	.....	Mendon.....	8	.....
Lyons Falls.....	2	.....	Ogden.....	4	3
Port Leyden.....	1	.....	Parma.....	3	3
Turin.....	1	.....	Penfield.....	2	6
<i>Towns</i>			Perinton.....	5	7
Croghan.....	2	.....	Pittsford.....	1	1
Diana.....	.....	1	Riga.....	3	3
Martinsburg.....	.....	1	Rush.....	4	5
New Bremen.....	1	1	Webster.....	2	2
LIVINGSTON COUNTY.....	26	9	Wheatland.....	3	.....
<i>Villages</i>			MONTGOMERY COUNTY.....	218	156
Avon.....	.....	1	<i>City</i>		
Danville.....	4	1	Amsterdam.....	170	113
Genesee.....	.....	3	<i>Villages</i>		
Mount Morris.....	6	1	Canajoharie.....	3	3
Nunda.....	2	.....	Fonda.....	.....	1
<i>Towns</i>			Fort Johnson.....	3	2
Avon.....	1	1	Fort Plain.....	10	2
Conesus.....	1	.....	Hagaman.....	5	.....
Genesee.....	1	.....	Nelliston.....	4	4
Leicester.....	1	.....	Palatine Bridge.....	.....	1
Lima.....	5	.....	St. Johnsville.....	10	5
Mount Morris.....	.....	1	<i>Towns</i>		
Oswego.....	1	.....	Amsterdam.....	1	.....
Portage.....	1	.....	Canajoharie.....	.....	1
Sparta.....	1	.....	Charleston.....	.....	1
Springwater.....	1	1	Florida.....	1	.....
York.....	1	.....	Minden.....	10	2
MADISON COUNTY.....	30	7	Mohawk.....	1	.....
<i>City</i>			NASSAU COUNTY.....	118	106
Oneida.....	13	3	<i>City</i>		
<i>Villages</i>			Glen Cove.....	6	14
Canastota.....	2	2	<i>Villages</i>		
Cazenovia.....	2	.....	Cedarhurst.....	2	1
Chittenango.....	2	.....	East Rockaway.....	3	.....
Earlville.....	.....	1	Farmingdale.....	3	.....
<i>Towns</i>			Floral Park.....	7	6
Fenner.....	1	.....	Freeport.....	16	8
Lebanon.....	.....	1	Hempstead.....	10	12
Madison.....	3	.....	Lawrence.....	1	1
Nelson.....	1	.....	Lynbrook.....	5	8
Sullivan.....	6	.....	Mineola.....	3	2
			Rockville Center.....	6	4
			<i>Towns</i>		
			Hempstead.....	42	40
			North Hempstead.....	7	2
			Oyster Bay.....	5	7

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919 — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
NEW YORK CITY.....	\$7,964	\$1,135	ONONDAGA COUNTY — (Concluded)		
Bronx Borough.....	3,861	2,800	Villages		
Brooklyn Borough.....	10,800	8,119	Baldwinsville.....	7	1
Manhattan Borough.....	10,376	8,001	Camillus.....	†	†
Queens Borough.....	2,394	1,863	East Syracuse.....	19	5
Richmond Borough.....	523	352	Eastwood.....	7	1
NIAGARA COUNTY.....	249	163	Fabius.....	7	3
Cities			Liverpool.....	4	1
Lockport.....	52	29	Manlius.....	1	2
Niagara Falls.....	92	63	Marcellus.....	6	2
North Tonawanda.....	64	33	Solvay.....	10	14
Villages			Towns		
Barker.....	2	1	Camillus.....	†	†
La Salle.....	6	4	Cicero.....	2	1
Middleport.....	11	13	Clay.....	2	...
Towns			De Witt.....	9	...
Lewiston.....	2	1	Fabius.....	4	1
Newfane.....	5	...	Geddes.....	1	1
Pendleton.....	2	1	Lysander.....	1	...
Porter.....	...	2	Onondaga.....	8	3
Royalton.....	2	1	Pompey.....	1	...
Sanborn.....	2	1	Salina.....	8	3
Wheatfield.....	3	7	Skaneateles.....	2	1
Wilson.....	6	7	Van Buren.....	1	1
ONEIDA COUNTY.....	368	284	ONTARIO COUNTY.....	69	48
Cities			Cities		
Rome.....	26	27	Canandaigua.....	14	10
Sherill.....	6	3	Geneva.....	23	24
Utica.....	237	176	Villages		
Villages			Clifton Springs.....	3	...
Bridgewater.....	1	...	Naples.....	13	6
Camden.....	5	1	Phelps.....	1	3
Clayville.....	3	3	Shortsville.....	...	1
Clinton.....	2	1	Towns		
New Hartford.....	3	2	Bristol.....	†	†
Oriakany.....	2	3	Farmington.....	1	...
Oriakany Falls.....	9	3	Geneva.....	1	...
Vernon.....	5	4	Hopewell.....	1	...
Waterville.....	2	5	Manchester.....	2	1
Whitesboro.....	13	13	Naples.....	5	...
Yorkville.....	1	...	Phelps.....	2	3
Towns			South Bristol.....	†	†
Augusta.....	1	...	West Bloomfield.....	3	...
Ava.....	1	...	ORANGE COUNTY.....	226	129
Bridgewater.....	1	...	Cities		
Deerfield.....	1	1	Middletown.....	32	25
Kirkland.....	2	2	Newburgh.....	89	50
Marcy.....	...	...	Port Jervis.....	27	12
Marshall.....	1	2	Villages		
New Hartford.....	16	9	Chester.....	1	...
Paris.....	5	6	Cornwall.....	1	1
Sangerfield.....	1	1	Goshen.....	5	...
Western.....	1	...	Highland Falls.....	1	...
Westmoreland.....	7	3	Montgomery.....	4	2
Whitewtown.....	16	19	Unionville.....	1	1
ONONDAGA COUNTY.....	663	398	Walden.....	11	13
City			Warwick.....	24	1
Syracuse.....	553	360			

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35. † Not reported.

Table 34—CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919—(Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO—		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO—	
	Boys	Girls		Boys	Girls
ORANGE COUNTY— (Concluded)			OTSEGO COUNTY— (Concluded)		
<i>Towns</i>			<i>Towns</i>		
Blooming Grove.....	....	1	Burlington.....	1	....
Cornwall.....	13	7	Cherry Valley.....	....	1
Crawford.....	1	....	Decatur.....	....	2
Deerpark.....	1	2	Edmeston.....	2	....
Goshen.....	1	....	Exeter.....	1	....
Highland.....	2	1	Hartwick.....	....	3
Minisink.....	....	1	Milford.....	1	....
Mount Hope.....	1	....	Oneonta.....	1	1
New Windsor.....	7	4	Richfield.....	1	3
Tuxedo.....	....	1	Springfield.....	1	....
Walkill.....	3	1	Unadilla.....	2	....
Warwick.....	1	4	Worcester.....	4	2
Woodbury.....	....	2			
	<hr/>	<hr/>	PUTNAM COUNTY.....	8	12
ORLEANS COUNTY.....	70	49	<i>Villages</i>		
<i>Villages</i>			Brewster.....	....	4
Albion.....	12	6	Cold Spring.....	2	3
Holley.....	12	13	Nelsonville.....	1	....
Lyndonville.....	3	1	<i>Towns</i>		
Medina.....	25	14	Patterson.....	1	2
<i>Towns</i>			Phillipstown.....	4	....
Carlton.....	1	2	Southeast.....	....	3
Clarendon.....	1	1			
Kendall.....	4	....	QUEENS COUNTY (See under New York City)		
Murray.....	11	7	RENSSELAER COUNTY.....	243	148
Ridgeway.....	....	2	<i>Cities</i>		
Shelby.....	1	3	Rensselaer.....	20	10
	<hr/>	<hr/>	Troy.....	193	108
OSWEGO COUNTY.....	180	108	<i>Villages</i>		
<i>Cities</i>			Castleton.....	7	10
Fulton.....	47	21	Hoosick Falls.....	8	6
Oswego.....	76	72	Nassau.....	1	1
<i>Villages</i>			<i>Towns</i>		
Cleveland.....	....	1	Berlin.....	....	1
Hannibal.....	1	....	North Greenbush.....	2	2
Lacona.....	1	1	Petersburg.....	2	....
Mexico.....	16	3	Pittstown.....	1	1
Pulaski.....	....	3	Poestenkill.....	....	1
Sandy Creek.....	....	1	Sandlake.....	7	4
<i>Towns</i>			Schaghticoke.....	1	1
Constantia.....	3	....	Schodack.....	1	3
Minetto.....	1	....		
Parish.....	1	....	RICHMOND COUNTY (See under New York City)		
Schroeppe.....	1	....	ROCKLAND COUNTY.....	41	36
Volney.....	3	....	<i>Villages</i>		
West Monroe.....	1	....	Haverstraw.....	7	4
	<hr/>	<hr/>	Hillburn.....	3	....
OTSEGO COUNTY.....	28	29	Nyack.....	10	3
<i>City</i>			Piermont.....	....	1
Oneonta.....	7	8	Spring Valley.....	4	9
<i>Villages</i>			Suffern.....	3	6
Cherry Valley.....	1	....	West Haverstraw.....	1	3
Cooperstown.....	2	5	<i>Towns</i>		
Milford.....	....	2	Clarkstown.....	6	4
Richfield Springs.....	1	....	Haverstraw.....	....	2
Unadilla.....	3	2	Orangetown.....	2	....
			Ramapo.....	2	3
			Stony Point.....	3	1

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919 — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
ST. LAWRENCE COUNTY.....	67	38	SCHOHARIE COUNTY — (Concluded)		
<i>City</i>			<i>Towns</i>		
Ogdensburg.....	18	20	Cobleskill.....	3	....
<i>Villages</i>			Middleburg.....	....	1
Edwards.....	3	2	Richmondville.....	1	1
Gouverneur.....	1	3	SCHUYLER COUNTY.....	6	4
Massena.....	12	....	<i>Villages</i>		
Morristown.....	2	....	Montour Falls.....	....	1
Potadam.....	14	5	Watkins.....	4	2
<i>Towns</i>			<i>Towns</i>		
Canton.....	1	....	Hector.....	2	....
De Kalb.....	2	....	Montour.....	....	1
Hopkinton.....	3	....	SENECA COUNTY.....	29	20
Lawrence.....	1	1	<i>Villages</i>		
Louisville.....	1	1	Seneca Falls.....	22	10
Madrid.....	1	....	Waterville.....	6	8
Massena.....	....	2	<i>Towns</i>		
Morristown.....	1	....	Fayette.....	1	1
Norfolk.....	2	....	Varick.....	....	1
Parishville.....	1	....	STREUBEN COUNTY.....	36	50
Potadam.....	4	3	<i>Cities</i>		
Russell.....	....	1	Corning.....	4	2
SARATOGA COUNTY.....	103	74	Hornell.....	45	26
<i>Cities</i>			<i>Villages</i>		
Mechanicville.....	9	9	Addison.....	1	....
Saratoga Springs.....	23	17	Avoca.....	1	1
<i>Villages</i>			Bath.....	1	....
Ballston Spa.....	5	4	Canisteo.....	....	1
Corinth.....	20	2	Cohocton.....	12	6
Galway.....	....	1	Hammondsport.....	†	†
Schuylerville.....	9	6	Painted Post.....	1	....
South Glens Falls.....	8	7	Wayland.....	4	11
Stillwater.....	4	2	<i>Towns</i>		
Victory Mills.....	3	5	Addison.....	1	....
Waterford.....	5	1	Avoca.....	1	....
<i>Towns</i>			Cohocton.....	1	1
Ballston.....	2	....	Fremont.....	1	....
Clifton Park.....	1	2	Howard.....	3	2
Corinth.....	....	1	Jasper.....	2	....
Galway.....	....	1	Lindley.....	1	....
Halfmoon.....	....	1	Rathbone.....	2	....
Malta.....	....	2	Thurston.....	2	....
Moreau.....	6	5	Troupsburg.....	3	....
Saratoga.....	3	1	SUFFOLK COUNTY.....	68	45
Waterford.....	5	7	<i>Villages</i>		
SCHENECTADY COUNTY.....	331	132	Amityville.....	2	2
<i>City</i>			Babylon.....	7	1
Schenectady.....	312	125	Bellport.....	2	1
<i>Village</i>			Greenport.....	5	3
Scotia.....	7	3	Northport.....	2	2
<i>Towns</i>			Patchogue.....	8	6
Glenville.....	2	....	Sag Harbor.....	1	1
Niakayuna.....	4	....	<i>Towns</i>		
Rotterdam.....	6	4	Brookhaven.....	18	14
SCHOHARIE COUNTY.....	8	6	Easthampton.....	3	....
<i>Villages</i>			Ilip.....	12	12
Cobleskill.....	3	2	Riverhead.....	2	2
Richmondville.....	1	2	Smithtown.....	1	....
			Southampton.....	3	1

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

† Not reported.

Table 34 — CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1919 — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
SULLIVAN COUNTY.....	4	12	WARREN COUNTY.....	26	16
<i>Villages</i>			<i>City</i>		
Liberty.....	1	2	Glens Falls.....	23	13
Monticello.....		2	<i>Village</i>		
Woodridge.....		3	Lake George.....		1
<i>Towns</i>			<i>Towns</i>		
Callicoon.....		1	Luzerne.....	1	
Fremont.....		1	Queensbury.....		1
Highland.....	1		Thurman.....		1
Liberty.....	1	2	Warrensburg.....	2	
Lumberland.....		1			
Rockland.....	1		WASHINGTON COUNTY.....	66	41
TIOGA COUNTY.....	18	13	<i>Villages</i>		
<i>Villages</i>			Fort Ann.....	7	1
Candor.....	1		Fort Edward.....	11	3
Owego.....	3	8	Granville.....	3	3
Spencer.....	1		Greenwich.....	3	11
Waverly.....	5	4	Hudson Falls.....	19	4
<i>Towns</i>			Salem.....	1	
Barton.....	4		Whitehall.....	8	16
Berkshire.....	2		<i>Towns</i>		
Owego.....	1		Argyle.....	4	
Spencer.....	1		Hobron.....	1	
Tioga.....		1	Kingsbury.....	2	1
TOMPKINS COUNTY.....	67	25	Salem.....	7	2
<i>City</i>			WAYNE COUNTY.....	42	43
Ithaca.....	40	16	<i>Villages</i>		
<i>Villages</i>			Clyde.....	1	2
Freeville.....	3	3	Lyons.....	3	5
Groton.....	9	2	Macedon.....		1
Trumansburg.....		1	Newark.....	8	5
<i>Towns</i>			Palmyra.....	5	6
Caroline.....	2		Red Creek.....	2	
Dryden.....	2	1	Sodus.....	4	4
Groton.....	1		<i>Towns</i>		
ULSTER COUNTY.....	138	109	Arcadis.....	3	1
<i>City</i>			Butler.....		1
Kingston.....	98	83	Huron.....	1	
<i>Villages</i>			Marion.....	6	
Ellenville.....	1	1	Ontario.....		12
Marlboro.....	2		Rose.....	3	2
New Paltz.....	2		Sodus.....		2
Rosendale.....		2	Williamson.....	3	2
Saugerties.....	8		Wolcott.....	3	2
<i>Towns</i>			WESTCHESTER COUNTY.....	667	609
Esopus.....	1	2	<i>Cities</i>		
Kingston.....	1		Mount Vernon.....	153	85
Lloyd.....	4		New Rochelle.....	54	54
Marlborough.....	5	2	White Plains.....	20	12
Olive.....	1		Yonkers.....	300	251
Rosendale.....	1	1	<i>Villages</i>		
Saugerties.....	4	3	Ardaley.....	3	
Shandaken.....	3		Croton-on-Hudson.....	1	
Shawangunk.....	2	4	Dobbs Ferry.....	2	1
Ulster.....	1	2	Elmsford.....	3	1
Wawarsing.....	3		Hastings-upon-Hudson.....	10	2
Woodstock.....	1		Larchmont.....	1	
			Mamaroneck.....	8	8
			Mount Kisco.....	2	
			North Pelham.....	1	
			North Tarrytown.....	2	2

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

Table 34—CHILD LABOR CERTIFICATES* REPORTED ISSUED IN YEAR
ENDED JUNE 30, 1918—(Concluded)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
WESTCHESTER Co.— (Concluded)			WYOMING COUNTY— (Concluded)		
<i>Villages</i>			<i>Villages</i>		
Ossining.....	9	7	Perry.....	17	20
Peekskill.....	21	19	Warsaw.....	9	10
Pelham Manor.....	1	....		
Pleasantville.....	6	....	<i>Towns</i>		
Port Chester.....	34	43	Bennington.....	2	....
Rye.....	1	6	Eagle.....	1	....
Tarrytown.....	6	....	Middlebury.....	1	....
Tuckahoe.....	1	1	Sheldon.....	2	....
			Warsaw.....	2	....
<i>Towns</i>			Wethersfield.....	3	....
Bedford.....	2	2			
Cortland.....	6	11			
Harrison.....	4	4	YATES COUNTY.....		
Mamaroneck.....	....	....		19	11
Mount Pleasant.....	2	1			
New Castle.....	2	....	<i>Villages</i>		
Rye.....	1	....	Dundee.....	†	†
Yorktown.....	1	....	Penn Yan.....	14	8
			Rushville.....	3	1
WYOMING COUNTY.....	44	58			
<i>Villages</i>			<i>Town</i>		
Attica.....	3	2	Benton.....	2	2
Castile.....	4	....		
			TOTAL STATE.....	37,815	27,861

* Exclusive of certificates issued to children for employment in mercantile establishments and business offices during summer vacation. See table 35.

† Not reported.

Table 35 — CHILD LABOR CERTIFICATES REPORTED ISSUED IN JULY AND AUGUST, 1918, FOR SUMMER VACATION† EMPLOYMENT

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
ALBANY COUNTY.....	58	5	CLINTON COUNTY.....	5	....
<i>Cities</i>			<i>Village</i>		
Albany.....	56	5	Keeseville.....	5	....
Watervliet.....	2	....	COLUMBIA COUNTY.....	8	8
BRONX COUNTY (See under New York City).*			<i>City</i>		
BROOME COUNTY.....	30	6	Hudson.....	7	6
<i>City</i>			<i>Village</i>		
Binghamton.....	27	4	Valatie.....	....	1
<i>Village</i>			<i>Town</i>		
Johnson City.....	3	2	Greenport.....	1	....
CATTARAUGUS COUNTY.....	29	9	New Lebanon.....	....	1
<i>Cities</i>			CORTLAND COUNTY.....	3	4
Olean.....	23	9	<i>Village</i>		
Salamanca.....	....	....	McGrawville.....	3	4
<i>Village</i>			DELAWARE COUNTY.....	1	....
Gowanda.....	....	....	<i>Town</i>		
<i>Town</i>			Hancock.....	1	....
Portville.....	1	....	DUTCHESS COUNTY.....	2	1
CAUYA COUNTY.....	10	3	<i>City</i>		
<i>City</i>			Poughkeepsie.....	1	....
Auburn.....	9	1	<i>Village</i>		
<i>Towns</i>			Wappingers Falls.....	1	1
Bennett.....	1	....	EMIE COUNTY.....	224	132
Throop.....	....	2	<i>Cities</i>		
CHAUTAUQUA COUNTY.....	16	9	Buffalo.....	270	132
<i>Cities</i>			Lackawanna.....	....	1
Dunkirk.....	6	2	<i>Villages</i>		
Jamestown.....	1	1	Kenmore.....	4	....
<i>Villages</i>			Williamsville.....	1	....
Fredonia.....	7	5	<i>Towns</i>		
Silver Creek.....	1	....	Cheektowaga.....	2	4
<i>Town</i>			Lancaster.....	....	....
Hanover.....	1	1	Tonawanda.....	6	1
CHEMUNG COUNTY.....	4	2	West Seneca.....	1	....
<i>City</i>			ESSEX COUNTY.....	....	1
Elmira.....	3	2	<i>Town</i>		
<i>Village</i>			Crown Point.....	....	1
Elmira Heights.....	1	....	FRANKLIN COUNTY.....	1	....
CHEENANGO COUNTY.....	9	2	<i>Town</i>		
<i>Villages</i>			Constable.....	1	....
Bainbridge.....	1	....	FULTON COUNTY.....	6	2
New Berlin.....	2	....	<i>Cities</i>		
Sherburne.....	2	....	Gloversville.....	4	2
<i>Town</i>			Johnstown.....	1	....
Sherburne.....	4	2			

* At end of Table.

† These certificates were issued under authority of Section 165-a of the Labor Law, which permits the employment of children, 14 to 16 years of age, in mercantile establishments and business offices during July and August, notwithstanding the fact that the children have not completed the grades in school necessary for obtaining a regular employment certificate.

Table 35 — CHILD LABOR CERTIFICATES REPORTED ISSUED IN JULY AND AUGUST, 1918, FOR SUMMER VACATION † EMPLOYMENT — (Continued)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
GENESEE COUNTY.....	2	....	NIAGARA COUNTY.....	9	4
<i>City</i>			<i>Cities</i>		
Batavia.....	1	....	Niagara Falls.....	1	3
<i>Village</i>			North Tonawanda.....	5	1
Le Roy.....	1	....	<i>Village</i>		
HERKIMER COUNTY.....	1	2	La Salle.....	1	....
<i>Village</i>			<i>Town</i>		
Mohawk.....	1	2	Lewiston.....	2	....
JEFFERSON COUNTY.....	10	....	ONEIDA COUNTY.....	63	18
<i>City</i>			<i>Cities</i>		
Watertown.....	3	....	Rome.....	6	2
<i>Villages</i>			Utica.....	50	11
Antwerp.....	2	....	<i>Villages</i>		
Clayton.....	5	....	Whitesboro.....	2	....
KINGS COUNTY (See under New York City).*			Yorkville.....	3	2
LIVINGSTON COUNTY.....	1	....	<i>Towns</i>		
<i>Villages</i>			Marcy.....	2	2
Dansville.....	1	....	Paris.....	....	1
MADISON COUNTY.....	....	....	ONONDAGA COUNTY.....	86	25
<i>City</i>			<i>City</i>		
Oneida.....	....	....	Syracuse.....	62	16
MONROE COUNTY.....	133	60	<i>Villages</i>		
<i>City</i>			East Syracuse.....	6	1
Rochester.....	130	49	Liverpool.....	1	1
<i>Villages</i>			Manlius.....	1	....
East Rochester.....	....	1	Solvay.....	4	4
Webster.....	2	....	Elbridge.....	....	1
<i>Town</i>			<i>Towns</i>		
Gates.....	1	....	Clay.....	1	....
MONTGOMERY COUNTY.....	11	2	Elbridge.....	1	....
<i>City</i>			Onondaga.....	9	2
Amsterdam.....	8	2	Salina.....	1	....
<i>Village</i>			ONTARIO COUNTY.....	2	....
Fort Johnson.....	3	....	<i>City</i>		
NASSAU COUNTY.....	3	....	Geneva.....	1	....
<i>Village</i>			<i>Town</i>		
Freeport.....	2	....	Geneva.....	1	....
<i>Town</i>			ORANGE COUNTY.....	4	....
Oyster Bay.....	1	....	<i>City</i>		
NEW YORK COUNTY (See under New York City).*			Newburgh.....	2	....
			<i>Town</i>		
			New Windsor.....	2	....
			ORLEANS COUNTY.....	....	4
			<i>Villages</i>		
			Albion.....	....	2
			Holley.....	....	2

* At end of Table.

† These certificates were issued under authority of Section 155-a of the Labor Law, which permits the employment of children, 14 to 16 years of age, in mercantile establishments and business offices during July and August, notwithstanding the fact that the children have not completed the grades in school, necessary for obtaining a regular employment certificate.

Table 35 — CHILD LABOR CERTIFICATES REPORTED ISSUED IN JULY AND AUGUST, 1918, FOR SUMMER VACATION † EMPLOYMENT — (Concluded)

LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —		LOCALITY	NUMBER OF CERTIFICATES ISSUED TO —	
	Boys	Girls		Boys	Girls
OSWEGO COUNTY.....			ULSTER COUNTY.....		
City.....			City.....		
Oswego.....	2		Kingston.....	2	1
OTSEGO COUNTY.....	2		Village.....		
Village.....			Ellenville.....	1	
Cherry Valley.....	2		Towns.....		
QUEENS COUNTY (See under New York City).*			Marbletown.....	1	
RENSSELAER COUNTY.....	22	4	Marlborough.....	2	3
City.....			Olive.....	1	
Troy.....	22	3	Rochester.....	1	
Town.....			WARREN COUNTY.....	1	
Brunswick.....	1		Town.....		
RICHMOND COUNTY (See under New York City).*			Watersburg.....	1	
ROCKLAND COUNTY.....	1		WASHINGTON COUNTY.....	2	1
Town.....			Villages.....		
Stony Point.....	1		Greenwich.....		1
ST. LAWRENCE COUNTY.....	2		Salem.....	2	
Village.....			WAYNE COUNTY.....	3	2
Potsdam.....	2		Village.....		
SARATOGA COUNTY.....		9	Newark.....	1	1
Village.....			Town.....		
South Glens Falls.....		3	Ontario.....	2	1
Town.....			WESTCHESTER COUNTY.....	20	71
Moreau.....		6	Cities.....		
SCHENECTADY COUNTY.....	51	11	Mt. Vernon.....	31	36
City.....			New Rochelle.....	1	1
Schenectady.....	47	8	Yonkers.....	35	7
Town.....			Villages.....		
SCHOHARIE COUNTY.....	1	1	Mt. Kisco.....	2	
Village.....			North Pelham.....	5	5
Sharon Springs.....	1	1	Peekskill.....	3	6
STEBEN COUNTY.....	3	3	Port Chester.....		2
City.....			Tuckahoe.....	3	1
Corning.....	3	2	Towns.....		
Village.....			Cortland.....	1	
Painted Post.....	1		Eastchester.....	1	1
SUFFOLK COUNTY.....	4	1	Harrison.....	5	6
Village.....			Mamaroneck.....	3	6
Greenport.....	1		YATES COUNTY.....		6
Town.....			Town.....		
BROOKHAVEN.....	4		Milo.....		5
TOMPKINS COUNTY.....	2		TOTAL STATE (Exclusive of New York City).....	281	410
City.....					
Ithaca.....	2		LOCALITY	NUMBER OF CERTIFICATES ISSUED —	
			NEW YORK CITY.....	5,943	
			Brooklyn Borough.....	748	
			Brooklyn Borough.....	2,031	
			Manhattan Borough.....	2,739	
			Queens Borough.....	350	
			Richmond Borough.....	76	
			TOTAL STATE.....	7,354	

* At end of Table. † These certificates were issued under authority of Section 165-a of the Labor Law, which permits the employment of children, 14 to 16 years of age, in mercantile establishments and business offices during July and August, notwithstanding the fact that the children have not completed the grades in school, necessary for obtaining a regular employment certificate.

PART III
REPORT OF BUREAU OF WORKMEN'S
COMPENSATION

(1) REPORT OF SECOND DEPUTY COMMISSIONER
IN CHARGE OF BUREAU OF WORKMEN'S COMPENSATION

To the Industrial Commission:

This is the fifth annual report of the Bureau of Workmen's Compensation and made for the year ending June 30, 1919. If it is read with reports of previous years the whole will be found to contain a statistical and historical narrative of the development of the administration of the Workmen's Compensation Law in New York.

The volume and amount of work done by the bureau is indicated in the tables below. They comprise also information relating to the experience of other years:

TABLE OF ACCIDENTS, CLAIMS, AGREEMENTS, ETC.

	Number of Accidents	Number of Claims	Number of Agreements	Number of Deaths
July 1, 1914, to June 30, 1915.....	225,391	33,265	8,400	812
July 1, 1915, to June 30, 1916.....	276,386	18,215	32,646	1,366
July 1, 1916, to June 30, 1917.....	313,406	22,673	35,889	1,570
July 1, 1917, to June 30, 1918.....	286,871	21,551	30,647	1,504
July 1, 1918, to June 30, 1919.....	288,444	21,657	28,448	1,815
Total.....	1,390,498	117,361	136,030	7,067

The tables below reflect the activities of the Medical Division:

	July 1, 1918, to June 30, 1919	July 1, 1917, to June 30, 1918	July 1, 1916, to June 30, 1917
Physical examination of claimants.....	18,315	12,258	10,190
Opinions on claim papers.....	641	436	465
Opinions in death cases.....	183	106	111
Opinions interpreting X-ray plates.....	493	280	296
No diagnosis.....	243*	327	103
Total.....	1,560	1,149	975

* Includes figures for first six months only.

CLASSIFICATION OF PHYSICAL EXAMINATIONS, INCLUDING RE-EXAMINATIONS

	July 1, 1918, to June 30, 1919	July 1, 1917, to June 30, 1918	July 1, 1916, to June 30, 1917	Oct. 1, 1915, to June 30, 1916	July 23, 1914 to Sept. 30, 1915
Fractures.....	4,521	3,630	2,854	2,261	2,089
Contusions.....	3,165	2,008	2,004	1,077	1,175
Infections.....	1,968	1,325	1,315	906	1,534
Lacerations.....	2,602	1,862	1,239	989	586
Amputations.....	2,298	1,379	944	548	768
Burns.....	719	276	154	103	94
Miscellaneous.....	3,042	1,788	1,680	1,283	1,354
Total...	18,315	12,258	10,190	7,167	7,550

MONTHLY DETAIL OF PHYSICAL EXAMINATIONS, INCLUDING RE-
EXAMINATIONS, FROM JULY 1, 1918, TO JUNE 30, 1919

1918	
July.....	1,145
August.....	1,279
September.....	1,481
October.....	1,530
November.....	1,608
December.....	1,591
1919	
January.....	1,400
February.....	1,958
March.....	1,654
April.....	1,700
May.....	1,620
June.....	1,349
Total.....	<u>18,315</u>

But much more valuable than the bare figures will be the statistical analysis of cases when it is completed. In the five years past there have been reported to the Commission 1,388,925 industrial accidents. Of these, 255,484 have developed into compensatable cases in which, in the proofs of claims, have been brought out all the facts and with such accuracy and completeness as to warrant judicial findings upon which awards were based and money paid. This is rich material for the analyst and contains such a wealth of useful information that it is a great pity that it is not made available for the practical uses of compensation administration, remedial legislation and accident prevention. The Industrial Commission has an excellent statistical bureau under very capable direction, but it has not at its command a clerical force adequate to the need of the hour, and, hence there remains locked up this wealth of material which contains the answers to the thousand questions which employers and publicists are asking every day. To illustrate: The two questions of primary importance are, How are accidents to be prevented? What is the cost of compensation insurance? Before the first question can be answered we must know the causes of accidents and their results economically to industry and physically to the workman. We should be able to tell every employer the causes of the accidents in his factory, their cost in money and their results upon his workmen. We should be able also to tell the results upon the various classes of industry when viewed as classes. Such concrete information would send home

vividly the lessons which experience teaches and would be worth more than all the theorizing put together. It would, moreover, furnish the practical everyday incentive to the adoption of curative measures. We should not have to resort to the poor alternative of plant surveys, etc., by so-called safety experts who do a measure of good but at a relatively too high cost and without that hard practicality which should characterize the whole business. Let the employers be brought face to face with the hard facts relating to the class of industry in which they are engaged, and with the hard facts of their own plant experience, and let them know at the same time that to prevent accidents is but to prevent outlay and endless waste and you will have introduced into the situation the most natural and practical incentive in the world. This incentive will work its effect upon the employer who will in turn take the necessary means to strike at the root, and, thus, in the course of a few months do more toward accident prevention than has been done to date. It is indeed a shortsighted policy on the part of the State that it does not put immediately into the hands of our statistician the \$100,000 of appropriation which will enable us to accomplish the one master stroke toward accident prevention.

On the other hand, it is the analysis of compensation cases which will reveal the actual cost of compensation. Here at the end of five years of the richest experience of the largest industrial State in the Union, we are still in the dark with respect to the cost of insurance, and by this I mean the actual outlay in dollars and cents in payments made and reserves set up based upon the most complete and accurate proofs of facts. What can the manager of a corporation say in defense of his inability to present to his stockholders items showing cost of production? Nothing is the ready answer. And yet with this unanalyzed experience the situation is perfectly analogous. The report of the State Insurance Commissioner contains information supplied by the various carriers who conduct the compensation insurance business for profit. It shows not only millions but tens of millions expended by employers over and above that received by claimants. It loudly proclaims the fact of economic loss. Now, it is confidently said that employers who, without a question or an objec-

tion, have whole-heartedly adopted the compensation plan, deserve and are entitled to the trial balances of all this immense business set forth in startling vividness and unequivocal accuracy. They, then, can be trusted to solve the problem of cost. Or, if they do not, they will have but themselves to blame. There are other States in which as generous a compensation law obtains as in New York and at a much less burden upon industry. So much for cost.

But dollars and cents are not the only measure of the losses from industrial accidents. There are the invalided men and women with their physical impairments and their impairment of earning capacity. Now, there is not an employer in the State of New York who relishes such fruit of his industry nor who does not desire to prevent these things. Therefore, let the lessons be taught directly, plainly, practically. We should be able at the close of every case to send to the employer information substantially as follows:

On your employee,, was injured through (here state cause). The result of this accident was a direct cost of \$....., the amount of the award and an injury (here describe injury with its permanent or temporary result) which has compelled the workman to change his vocation and to spend the rest of his life under a physical handicap. It has also resulted in (here state the result to his family, such as changed and lowered living conditions, etc.). The results here outlined were not the only results because for every dollar paid out in compensation, there must be a greater amount paid in the original insurance premium, and, moreover, there was the expense of state administration with its economic loss. The accident might have been prevented by (here state the method by which the accident might have been prevented).

Such information as this constantly going to the various factories in the State and covering the tens of thousands of accidents happening in a year would so arrest attention and so continuously and insistently make itself felt that the end would be a marked diminution in accidents.

This matter is dwelt upon at length because *it is better to prevent an accident than to have to compensate it*. And, finally, with all that is said and done with respect to accident prevention, the cold facts are that the accidents continue to happen without diminishment and that we but cozen ourselves into the belief that much worth while is being done.

The following paragraph from the annual report of last year is repeated here as a worth while additional comment:

Numerous inquiries are received asking for an estimate of the whole cost of industrial accidents. This may never be given in dollars and cents but your attention is directed to the following observations: A workman employed is earning wages for himself and profits for his employer. He is not only doing this but his activity through the things he produces engages the activities of others in whole or in part. He also keeps his machine busy and his place filled in his competent way. When he is injured he ceases to be an earning agent and consumes his savings. His place in the plant or factory becomes vacant and his machine becomes idle or is kept at work by a new and perhaps untrained workman in whose very training there is economic loss. For every workman injured there is a relative increase between overhead expense and total expense. Then it must be remembered (see my argument below under the first proposed amendment) that the benefits under the New York law do not represent more than one-half compensation for the losses sustained. These and other reflections may be indulged in. Therefore, it is perhaps not otherwise than conservative to multiply the figures of the state superintendent of insurance by 2 in order to discover the actual loss to the workmen themselves and again greatly to increase the figures to estimate the losses to the employers and to industry at large. This would make the loss to workmen alone over \$30,000,000 annually. In addition to this there is the very large loss to employers and to industry, the amount, of course, being speculative. It would seem, however, not unreasonable to place the whole loss at \$50,000,000 or more each year. These stupendous figures point the lesson. They indicate the need of a concentrated effort toward the prevention of accidents. They indicate the great possible reward of this effort. And they are the measure of the present carelessness and negligence on a large scale. "Oh, this mad unthrift world which every day throws life enough away to make its deserts kind and hospitable."

Last year the bill prepared at the instance of the Commission and embracing needed amendments to the compensation law passed the Assembly but failed passage at the last hour in the Senate, and this notwithstanding the fact that it was prepared in conference and agreed to by representatives of the Manufacturers' Association, organized labor and the Commission. I respectfully urge its reintroduction, together with the other amendments herein proposed.

But the Legislature did enact amendments far-reaching in effect and briefly described as follows:

In May was enacted an important amendment in effect virtually doing away with the agreement method of settling compensation cases. An investigation had disclosed the fact that these settlements had resulted in a very large degree to the disadvantage

of injured workmen and that they in numerous instances were the victims of thrifty settlements. The need of a change in the law became so apparent that it was adopted without opposition anywhere. As the law stands amended the workmen may file their claims with the Commission directly without first filing claims with the employers and waiting at least ten days to see if agreements may be entered into. Or, as before, employers and employees may enter into agreements. But, in all cases, including the agreement cases, open hearings must be held and the provision is mandatory for hearings within sixty days after the claims have been filed. Such other hearings follow as are necessary to determine the nature and extent of disability and the other features of the cases, and then final hearings in the agreement cases when the awards are paid or due, and this in order that a final consideration may be given them before they are sent to the closed files. This final test eliminates all probability of claimants not receiving their full compensation and makes the bureau aware of all post-traumatic changes which take place resulting in impairments of functions. The amendment also wholesomely provides a system of penalties for offending insurance carriers, guilty of allowing cases to be closed without calling the fact to the attention of the Commission, or guilty of irregularity in making current payments as provided by the terms of the awards.

So through the evolutionary process and the trial of different plans, it is safe to say that the law as it now stands on this phase of the subject is likely to stand for a long time. The agreement method had its distinct advantage of putting money into the hands of claimants earlier than the direct claim method and this solely because claimants themselves were slow in filing their claims, astonishingly and surprisingly slow, and would have been much slower had not the bureau with might and main worked to induce the prompt filing of claims in order that the cases might be disposed of. Hence, the agreement method was retained for such advantages which it possessed in the inception of cases, but it was rejected as a method by which employer and employee might settle a case outside the exercise of the offices of the Commission, for it was found that this method worked injustice because the carriers took advantage of it actively or passively.

The latter was possible because of the ignorance on the part of the workmen of their rights. Again, I repeat here what I have often said, that the workmen have a vague knowledge of the existence of the compensation law, but are not intimately acquainted with its provisions. The individual workman, too, never expects to receive a compensatable injury. It is his fellow workman whom he expects will reap the benefits of the law. Therefore, when the accident happens the workman does not know what to do and, although the plainest instructions are put into his hands, he seemingly neglects to read the printed matter and loses days and weeks before he acts in his own behalf. Or, if the agreement is signed and he is not called into an open hearing, he often will go only half compensated because he does not know what he is entitled to. It is sometimes said that the State should not interfere in such cases, but this is a lamentably unsocial view of the matter, and all the more so when it is considered that industry has already borne the burden by advancing sufficient premium payments to cover to their utmost all compensatable claims. Nor does the Compensation Bureau accept any blame in the matter whatever. Our administration of the law was stronger than the law itself. Out of a hundred cases we at the outset had thirty claims and seventy agreements. By putting on the calendar all suspected cases and by inviting claimants in for a medical examination in all agreement cases, we sent to the calendar twelve of the sixty agreement cases of 20 per cent of them. Thus we were trying in open tribunal fifty-two cases out of a hundred and this before the investigation which compelled the change.

Now let us see what other States are doing, and most of them have the agreement plan with the provision in their statutes that cases shall be investigated and heard by the State commissions only upon complaint. We knew that we were far and away ahead of this plan, but to gain the proper evidence the head of the bureau sent a questionnaire to various other jurisdictions and elicited the information recited below. The questionnaire was as follows:

I respectfully request you to send me a set of forms used in agreement compensation cases in your jurisdiction. In addition to this will you kindly answer the following questions:

1. Do you require that the agreement or a copy of it be filed with you?
2. If not, how is the fact that an agreement has been entered into between employer and workman brought to your knowledge?
3. Does your law require that the agreement be formally approved?
4. If so, do you make any investigation antecedent to approval other than as revealed on the face of the agreement notice or form?
5. What does this investigation consist of?
6. Do you upon your own motion attempt to discover possible defects in an agreement settlement?
7. If so, how do you go about it to do so?

I send this letter in duplicate for your greater convenience in replying if you care to use the duplicate.

I sincerely hope you will be able to give us the information at once.

To be certain that we had made ourselves clear, we sent a second question, as follows:

Speaking of agreement compensation cases in which the employer (or insurance carrier) and the injured workman enter into an agreement on their own motion for the payment and receipt of compensation, which agreement ordinarily has a pro forma approval, I desire to inquire what percentage of such cases afterwards actually come to trial before the compensation commission (or other administrative body) or deputy commissioner for the official determination of one or more facts pertaining to the case. If figures are not just at hand, please approximate as close as possible.

From the answers received it was learned that:

In Maine, out of 4,000 compensation cases last year there were probably 100 hearings held in connection with the adjudication of whatever compensation might be payable;

In Kentucky, out of 36,157 accidents reported since the compensation act there became effective (August 1, 1916) there were filed 393 claims and these claims cover the entire field of litigation since the act became effective;

In Illinois, no form of agreement is used where compensation is paid without contest. Duplicate receipts of payments are sent in which indicate agreements. The Illinois commission advised that it has never been able to see how a form agreement would give them any further information than it has by the receipts, or how it would accomplish any useful purpose;

In Minnesota, it is estimated that about 2 per cent of the agreement cases are reopened because of errors discovered in checking in the statistical division;

In Massachusetts, 90 per cent of the cases have a pro forma treatment and 10 per cent come up for adjudication. In Massachusetts the insurance company cannot cease to pay if there be a dispute about the return to work as long as the claimant really does not return to work, but has to go before the commission to obtain a "discontinuance of award;"

In South Dakota, the commission has had but 2 such cases, in one of which the insuring company of their own motion resumed payments, and in the other at the suggestion of the commission they investigated the case and resumed payments without a hearing for reopening of the case;

In Connecticut, there were 1,890 hearings, 600 of which were settled without a finding by the commission; hence, 1,291 adjudications;

In Indiana, the commission advised that the percentage of cases settled by agreement which afterward come up for consideration is very small;

In Idaho, the report was that up to that time no agreement cases had been heard;

In Michigan, 90 to 95 per cent of the agreement cases dispose of themselves automatically or are disposed of by the office force without actual action by the industrial accident board;

In Nebraska, out of the several hundred cases settled, only one instance is remembered of a case coming up for adjudication;

In California, fully 90 per cent of the compensatable cases are paid as the law directs by the employer or insurance carrier without disagreement called to the attention of the commission. The commission stated that there may be, and probably are, cases where settlements are made for less than the law directs, but if there are they are where the employee does not know his rights fully and does not demand all that he should receive. In a recent test canvass of several thousand such cases, relatively very few were found where there was any reason to suppose that a fair settlement had not been made;

In Vermont, if all minor questions and all formal and informal hearings were taken into consideration, 50 per cent of the cases in which compensation is paid involve a hearing or trial of some kind or another;

In Colorado, for the fiscal year ending December 1, 1918, the records show that the commission was required to try 22 cases out of a total number of 3,478 agreements theretofore approved;

In Honolulu, in nearly all cases both parties are brought before the board before the case is finally disposed of;

In Iowa, during the year from July 1, 1917, to June 30, 1918, out of 4,367 compensation settlements reported and 71 cases arbitrated, 6 were reopened and officially determined by the commissioner.

This is told in order that it may become permanent history. It is told also in proof that, not from without, has it been necessary to gain the inspiration and knowledge of conditions nor the viewpoint, which taken together have sent and are sending our compensation law toward the goal of permanency where in all its parts it will be admired by all men.

But a further innovation has been inaugurated which we confidently declare introduces practices which all other States must come to and which alone will solve the problem. This innovation consists in putting cases on for hearing as soon as we know of injuries, the probable duration of which will extend beyond the waiting period of two weeks. No other information is necessary except the names of the parties in interest. In other words, if we know the name of the injured man, the time of his injury, in order to eliminate the possibility of rehearing a case already determined, the name of the employer and the name of his insurance carrier, we schedule the case for hearing "on consideration" and call the parties in on a date within ten days of the gaining of this knowledge. This means that even without our jurisdiction being invoked we begin to exercise it upon knowledge gained directly or indirectly, through first notices of injury only, through letters only, through the receipt of a receipt of payment only, through a newspaper clipping only or by hearsay only. It marks the beginning of a new day. It means speed. It means justice, and in this respect, a degree of justice to all parties hitherto not possible; for the languishing of a claim in numerous instances has caused the insurance carrier to pay upon doubtful terms of disability, for our fear of doing an injustice to a claimant we are confident often imposed injustice upon a carrier.

Nor was there any concealment about it. Everybody knows we have leaned toward a generous administration and generally the carriers have accepted the situation with protests of murmurings, but not to the point of refusing payments. Be this said to their credit. The delay in filing claims also was taken advantage of by the "runners," so-called, who very often advised delay in order to encourage a situation which could be taken advantage of by them. We hardly dare to allow our Medical Division to estimate the duration of disability *ex post facto* because that were to make our physicians and not the hearing commissioners the judges of the cases. Our new method paralyzes this practice. It compels quick action. It gets the claimant before us quickly enough to force him to the reception of proper medical treatment. It makes unnecessary advocates, professional or nonprofessional. In fact, it cures a thousand ills and while it is a startling innovation to the professional man, it is pleasing to all parties in interest. Insurance carriers are delighted with it and are co-operating to the extent even of ransacking their files to give us the names of cases which they know about and which we do not know about. Sometimes we receive lists of more than a hundred names each and we reward the carrier and benefit the claimant by hearing these cases at once. After years of administration of the compensation law, we wonder that we did not sooner reach this point. It is only an evidence of how long it takes to break with tradition. Publicists have been clamoring for petit elaims courts where the poor might have justice in a forthright manner and without cost and delay. Great barristers recognize its need and long for the achievement. We have it. Let him who reads but come to the offices of the Industrial Commission and he will see lay courts handling difficult questions of law and of fact in a manner which puts all other methods on the defensive. After all, justice is an elemental thing. The training for it is mother-wit, courage, experience, common sense. It has too long been inveigled into the canebrakes of technicalities, of motions, of demurrers, of dilatory practices, of unconscionable delays, and is lost. Even the gainers of verdicts in the more time honored tribunals often have not lived to enjoy them. All that was necessary to bring about all these changes was to add

a few clerks and to provide additional hearing commissioners. Five of the latter were employed so that now beside the head of the bureau there are eleven deputy commissioners engaged exclusively in hearing cases and whose time is wholly occupied in a usefulness to their fellow men and to the State almost unmatched. Four deputy commissioners in the New York office and two in each up-State office are hearing cases all the time so that with the hearings and the necessary rehearings and further hearings, the number of cases called in open tribunal this year is running at the rate of 80,000 a year. Imagine it, if you will, 80,000 cases openly heard and all this system was so swiftly introduced and works with such accuracy and precision that the general public is all unaware of it.

In New York City and its environs a few cents' transportation is all the cost to the claimants to go to the central office for hearings. Up-State hearings are conducted in the principal cities and also in the outlying villages and towns, the deputy commissioners being in effect circuit judges who carry their cases with them and hunt up the claimants, hearing the cases, if necessary, under their very roofs, and this at a cost utterly negligible and reimbursed to the State by the carriers themselves. And still we have to beg for the necessary additional clerical help the absence of which constitutes about the only handicap we encounter.

The agreement cases are reverted to in order to add that because in numerous cases it was found that thrifty settlements had been made under the agreement plan, it became necessary to examine every agreement which had had a formal approval without a hearing. The number of these will reach 100,000. And this re-examination is in progress, the method being as follows: Such cases have been segregated and put in the hands of good examiners who divide them into three groups: (1) Those patently adequately paid in which nothing is done. These are necessarily relatively few. (2) Those in which there is doubt. In such cases questionnaires are sent to the injured, the reply determining whether or not the cases need to be heard. And (3) those in which there is a strong presumption that an insufficient amount was paid. Such claimants are asked to come in for an interview and medical examination which will reveal whether or not they

should be sent to the calendar. Thus, with a view to eliminating unnecessary loss of the day's work on the part of the claimants who have been adequately paid, this examination is going ahead steadily. If it is found that a rehearing should be had, the case is thrown upon the regular calendar, being starred to designate its character, and after judgment is had it immediately goes to the closed file. It thus enters the circulation of the department only through the Hearing Division. A few dollars, therefore, will accomplish the desired result.

If we were called upon to make an estimate of the amount by which the previous awards will be augmented we should in advance say \$1,000,000.

We still have difficulty in obtaining from employers first notices of injuries, although, be it said, we obtain them in far greater number than we obtain the first notices of injuries from the claimants themselves. We believe, however, and have plenty of evidence as a basis for the belief, that insurance carriers in many instances withhold the first notices of injuries which the employers send to them for transmissal to the Commission. This practice is not universal among insurance carriers but obtains among the minority of them which seem still to believe that they are organized to prevent the operation of the statute rather than as an instrument of compliance. Such latter companies should be hounded out of existence and there should be turned upon them the pitiless white light of publicity. Many carriers act honorably and above board in the administration of the compensation law and their number is growing. We have seen bad companies change from bad to good by changes in personnel, or through having it dawn upon them that the compensation law is neither kith nor kin to the old common law liability with its miserable indemnity contract, the fomenter of trouble with its clear object to thwart justice and not to do it.

Separate penalty calendars will be provided for the enforcement of penalties for irregularity of payments by the carriers or employers and for failure to file the proper final notices. This purely punitive measure will work so effectively that it will compel such compliance with the law that we predict the penalty calendars will not be large. In addition to the penalties there

will also be the coercive value of public opinion which will tolerate profit taking in the business of handling industrial accidents only so long as the profit taking enterprises act squarely and decently.

Within the last year we have increased our efforts to compel employers to insure who have so far disregarded the statute, but admittedly we have too small a force assignable to this work. The inspectors of the Inspection Bureau have co-operated with the Compensation Bureau and while making their inspections have reported all noncompliances that came to their attention. In this wise over 16,000 such employers have been reported and to date some 10,000 of them have been persuaded or compelled to insure. They are usually small employers whose existence is not known to the bureau until a claim for compensation is filed. Often they are financially unable to pay the award. The situation in such cases thoroughly nullifies the law and there are some distressing cases of want and suffering on the part of the workmen or the families of the workmen of such employers. A point worthy of consideration is the fact that there are approximately 250,000 employers amenable to the Compensation Law and only 65,000 subject to inspection under the Factory Law. This makes it impossible for the factory inspectors to secure information on all noncompliances. We are, therefore, without knowledge of how many employers who in violation of the law are not insured. We suspect that there is still a large number (may be 20,000 or 30,000). At present we have three men assignable but they are at work chiefly getting evidence for the prosecution of those noninsured employers who are known. We are not doing effective work in discovering the others. It would probably require ten additional men working for a year to scour the entire State.

No report is complete without a reference to the most troublesome of all phases of the compensation question—the medical question. In the first place, there should be unlimited medical services, and, in fact, this is possible under the present statute whereby the Commission may extend the treatment beyond sixty days by action antecedent or subsequent to the expiration of such period. Employers and insurance carriers are becoming more

and more aware of the fact that it is a wise economy to provide the best and adequate medical service and to follow it up until the best results are obtained. It seems, too, that the mere existence of the Compensation Law is giving rise to and is encouraging what might be called industrial surgery, the need of which the schools are beginning to recognize. It is not enough so far as these industrial accidents go to save the life or the limb, but there must be restoration of function, and, if not that, then a re-education into other employments. This latter now goes under the name of rehabilitation. Such work is amply provided for the disabled soldiers and sailors and many agencies are working upon the disabled workmen who are the soldiers of industry, and to the same beneficent end. It is astonishing what results are obtainable. Numerous instances have been brought to our attention where very seriously disabled workmen have been educated and inducted into other employments which opened up to them the avenue to better wages and higher and more joyful living. It is thus seen that it is possible to turn the misfortune of accident into a blessing. This is indeed real economy. And it is the third of the great trio, prevention, compensation, rehabilitation. The first makes unnecessary the last two. The second partially cures the failure of the first, the third completes the cure and often goes beyond it.

Who shall treat the injured, the physician of his own choice or the physician chosen by the employer or insurance carrier? Or shall there be established clinics which take workmen out of the ordinary method of treatment and provide highly specialized treatment for trauma and its varied results?

These are live questions introduced here for consideration rather than to suggest the proper solution.

It is remarkable how many purely legal questions have arisen in the administration of the Compensation Law—questions of contract, questions of dependency, interpretation of insurance contracts, questions of jurisdiction, questions concerning the election of remedies, questions concerning the subrogation of rights, questions upon evidence, questions surrounding the presumptions, questions relating to common law marriages, divorces, etc., questions concerning the adoption of children, questions of the right

of alien enemies in wartime, questions involving agency, questions of estoppel, etc. And these in addition to the always difficult questions of fact in close cases. The numerous appeals to the courts evidence the many mooted questions arising in the early days of the establishment of workmen's compensation in this State. It makes more apparent the necessity of training and retaining trained judges of compensation cases.

There is still much doubt about the so-called admiralty cases, the doubt being around the question of jurisdiction. All agree that the Commission has concurrent jurisdiction in these cases and some contend that it has exclusive jurisdiction. The matter is in the courts. Meantime there is much confusion surrounding these cases. They will begin in the court of admiralty jurisdiction or in the compensation tribunal or the remedy will be pursued at the same time in both. Or, having been begun they will be concluded in the other before a decision can be reached in the first. What credit shall each tribunal give to the other? How far shall we disregard the court of admiralty jurisdiction as a nullity so far as the cases in question are concerned. We hope against our next annual report to be certain in this matter which has been more litigated than has any other question arising under the law.

The war caused the holding up of numerous cases in which the beneficiaries reside in enemy countries. Where the facts were ascertainable so that decisions might be rendered, the Commission was compelled to order the payment to the Federal alien property custodian of all moneys due to enemy aliens. In numerous other cases where claims have been filed by friends or by consular representatives, etc., the development of facts cannot be made until the war is ended.

This report should contain a reference to the handicap we have suffered in keeping our personnel at budgetary strength and this mainly because our employees are constantly leaving us for more lucrative employment outside. The year just closed has been no exception. Just pride, however, is taken in the fact that the commercial insurance companies constantly have recourse to the employment of our trained help. One successful

company has no less than six of our employees in important positions. In this respect our experience is a constant refutation of the charge that public business cannot be conducted as efficiently as private business. It is asserted that the Compensation Bureau is a marked exception to this. Herein is an argument for higher wages and justification for our budget. We should be able to keep our trained help who become so much more valuable with their training. It is a vast important business that we are engaged in and without doubt it is a permanent arm of the government. It seems unfair that we should have to be forever training new help. It is doubtful if a private enterprise could withstand such inroads upon its important positions. Another point of consideration is that we do the combined business of the State in compensation business and yet higher standards of wages prevail in the separate outside commercial units in which each in itself does but a fraction of the whole. All expenses of the bureau are reimbursed to the State Treasurer by payments from the various insurance carriers, each of which maintains a higher wage standard than the State permits in the bureau. Nobody can deny that this is unwise. We should not have to wait until disastrous results compel a remedy. I am satisfied that I can produce a petition signed by the insurance carriers supporting a higher wage standard in the bureau. The spending if a little more money here would result in the saving of much more money elsewhere. How long will such pleas continue to have to be made in vain! We do a business directly of between \$15,000,000 and \$20,000,000 annually. We deserve the best kind of help and we ought to have it.

I recommend the following amendments and feel justified in repeating more or less the arguments set forth in the last annual report with such other arguments as the time suggests. In proposing these amendments, none are recommended which are not shown by experience to be needed nor none in which we do not feel sure of our ground. Yearly, amendments are perfecting our fine statute which already will compare favorably with any piece of legislation ever enacted in this country. The lessons of experience are coming to be written into every line, word, phrase

and clause and we should be derelict in duty if we failed to point out the way:

1. General increase in compensation in disability cases to 75 per cent.

Under any analysis even the most generous compensation law does not compensate more than 50 per cent of the loss to the injured workmen. They receive nothing for the first two weeks, within which time 82 per cent. recover; they receive nothing above \$15 except for the loss of a hand, arm, foot, leg or eye and these cases are relatively few; dependents are limited by statute to certain relatives and are not inclusive of all dependents of killed workmen; the right to compensation is restricted by certain statutory requirements of notice, etc., and barred by a statute of limitations. All these elements certainly effect a reduction of the two-thirds allowance so that the absolute loss is not more than one-half compensated, and this from the pecuniary consideration alone, that is to say, without taking into account attendant loss and incidental suffering and distress, not only of the injured but of his family as well. Then, the first two weeks of disability not only mean a period of no earning on the part of the injured and his family, but it means also that they must go into their savings for living expenses. Further general reasons might be given. From another viewpoint: Loss from accident is truly an element in the cost of production. The laborer is worthy of his hire and has earned his wages in advance of their receipt. The hazard of his employment before compensation laws were enacted was a risk taken by him wholly for the benefit of others. Thus when he was injured the loss which should have been borne by industry was borne by him alone. The Compensation Law is an attempt to compensate this loss and to make it a chargeable item in the cost of production, thus to enter into the selling price and to be distributed among all the people. This argument goes to show that even under the most generous laws this attempt to compensate injured workmen is fruitful but to the extent of one-half. Therefore, the injustice has been only partly done away with. Therefore, again, the complete justification in asking that the scale of compensation be increased. In asking this the

workman is asking for no dole or for no charity. He is asking for but justice and his plea is still far within his rights. But it has been urged on the contrary that because of the World War a period of readjustment is forced upon us and that other problems are to the forefront. In reply to this I say it is even expedient that this question be considered at this time, for to do justice to the workman should be made an element of consideration in the readjustment. Otherwise when the readjustment is effected there will be other readjustments to make and endlessly. I must also say that those who would oppose amendments should be more inclined to look into the matter of the cost upon industry of compensation insurance to the certain end that they will discover that they are paying too much for such insurance and that they can grant all the increases herein requested and still be out fewer dollars for insurance.

2. In death cases, widow 50 per cent. and each child 15 per cent.; maximum 75 per cent.; and, wage basis increased from \$100 to \$150 per month.

The general reasons for this are stated above. Other things may be considered: Every person is entitled to a living wage and the compensation now provided for widows and parents is not a living wage. If dependency anywhere should be succored, it is the dependency of widows and children and of aged parents. The compensation now proposed will in most cases enable such dependents to live in frugal comfort. The compensation now paid only partially relieves dependency in most cases. Then, too, consider the great number of remarriages in which but two years' compensation is paid; consider that dependents residing abroad receive but one-half the amount provided in the schedule; consider also that about 20 per cent. of the death cases have no statutory dependents. From these considerations it will be seen that the actual practice works very considerable reductions from the primary allowance so that our law is not so generous in this respect as it would seem. The maximum limitation of \$100 a month affects many cases and would render nugatory the proposed amendment were it not also increased.

3. Increase minimum compensation to \$10, maximum to \$20.

This proposal is strictly and entirely in accord with the requirements of a living wage for the minimum; and for the maximum the very numerous cases in which the \$15 limit applies works a great injustice, and this injustice is all the greater because the reduced compensation thus effected results in no saving to industry; for, the various insurance carriers still audit the total payroll and collect their premiums against it so that the present effect of the application of the maximum rule is to increase the profits of insurance carriers.

Since the compensation law was first enacted wages have increased, the purchasing power of the dollar has decreased, and yet the \$15 maximum remains unchanged so that compensation benefits on a relative basis are greatly lower than they were four years ago. At that time the average compensation case denoted a wage between \$13 and \$14, while the maximum compensation was set at \$15. Today the average wage is over \$22 and the maximum compensation rate remains unchanged at \$15. In practical effect, therefore, compensation benefits have been diminished.

4. Reduce waiting period to ten days.

Our present waiting period is fourteen days within which time 82 per cent of the injured recover. Some States have a waiting period of seven days and their experience shows that within that time 70 per cent recover. The reason for any waiting period at all is twofold: (a) To prevent simulation of disability; and (b) to do away with the handling of the very minor cases. But at all times the claimant has his claim in justice. The reduced waiting period, therefore, from fourteen days to ten days would seem justifiable.

5. Give compensation for first ten days if disability lasts longer than forty-two days.

This proposal is but a corollary to the preceding one and to that provision of the law which pays compensation for the first two weeks when the disability is of more than forty-nine days' duration.

6. For any portion of bone of joint of first phalange, one-half loss; for any portion of second or more, whole member.

This amendment is not proposed as effecting an increase in compensation, but as necessary to do away with the administrative difficulty of applying with certainty the schedule with respect to finger injuries. Several cases have gone to the courts on the question of how much bone of a phalange should be lost before the phalange is lost. The effect of the present rule is to cause haggling over each such case. It is a good general principle that doubt should be written out of the law and certainty written into it as much as possible.

7. Define heat prostration, sunstroke, frost bite, caisson disease, anthrax, glanders, tetanus, asphyxiation or poisoning by gas or wood alcohol and acute lead poisoning as accidents *per se*, and if arising in the course of employment they shall be deemed to arise out of the employment, provided that the nature of the employment is such that it is a source of such injuries.

This amendment would make certain the many mooted questions arising out of the injuries listed. Some of them are on the border line between injury and occupational disease. All of them are without doubt sometimes compensatable. It can hardly be gainsaid that they all should be so. In the consideration of such cases we have constantly now to resort to strained constructions. Take for example heat prostrations. This class of injuries results probably from a combination of causes, namely, the employment and the weather. Most heat prostrations are on hot days, hence, weather is an element, of course. On the other hand, most prostrations occur to workmen, therefore, employment or labor is an element, of course. Likewise with frost bite. Again, take such an infection as tetanus. The result is obtained usually through two causes, first, an abrasion or wound accidentally sustained, and, second, the entrance of the germ. It is the totality of the effect for which compensation is claimed. All these cases are relatively few in number and their inclusion or exclusion will not seriously and perhaps not appreciably affect the general cost of compensation. But the law should be better defined; hence the proposal.

8. I suggest that an operation for cataract shall make necessary the finding of loss of use of an eye and that impairment of vision to a degree of 75 per cent or more, and this from any cause, be considered loss of use of eye, and that binocular vision lost be considered as eye lost.

The proposal of this amendment arises out of administrative difficulties. Take, for instance, the Frings eye case in which we have cataract caused by accident. The eye was operated upon and in a measure recovered. Some vision was left, but not useful vision, except that if the uninjured eye should subsequently be lost, then the injured eye would be useful to the extent of possessing a field of vision which is as much as to say that the injured would be able to ascertain the outline of objects so that he might not be run over or so that he might not run against them. But the fact is that for vocational purposes the usefulness of the eye is entirely lost and yet we may not award for the entire loss of use of the eye. This is manifestly an injustice which should be cured.

The proposal to enable the Commission to declare a loss of use of eye if there be 80 per cent or more loss seems to be in the interest of justice. The test should be the vocational test and when but faint vision is left it is not useful vision. It should at all times be remembered that framers of the law in the first place took into consideration the fact that the remaining eye becomes all the more useful and that nature thus goes far to negative her loss, hence the relatively low compensation for an eye as compared with a hand, arm, foot or leg. It follows, therefore, with all the more reason that this low compensation should not be further diminished as long as some oculist can be found who will say there is some vision left.

9. I suggest that numbered paragraph 5 of section 14 be amended making it mandatory to increase a minor's compensation rate to an amount discretionary with the Commission, and thus obviating the necessity of taking testimony to establish the expectancy of increase of wages and that the minimum compensation for a minor receiving less than \$10 be \$10.

The present statute allows the Commission to take into consideration the expectation of increase in wages of a minor in cases of permanent injury to be endured throughout life. The question arises, shall this expectation be adjudged from evidence which the minor is able to submit or shall the Commission take cognizance of the fact that a minor will be earning more wages when he reaches his majority. This is a troublesome matter. Take, for instance, a boy of sixteen who has his working papers and is employed during the summer vacation. He expects to return to school in the fall. There is no expectation of increase of wages in his employment because there is no expectation of continuance of the employment itself. He sustains a permanent injury, say, the loss of an arm. He must carry this loss throughout his life and for all the longer period because of his youth at the time he sustained the injury. In such cases the Commission is compelled to exercise its judgment unsupported by evidence except their general experience and common knowledge. If the law should fix a minimum in this respect it would automatically solve the problem in a large number of cases.

10. Specific schedule awards to be made vested interests to those who would have been dependents and entitled to awards should the injury have resulted in death, payments on specific schedule awards to cease at death if a death award is made.

This is a provision which is to be found in some of the laws in other States. Its application would be required in but rare cases and on the whole would in no wise appreciably affect the total cost, while it would solve a serious problem for the unfortunate dependents in the particular cases.

11. A parent to be deemed dependent if minor's wages were used in ordinary support of household and needed to maintain the household in frugal comfort.

This, it seems to me, is a vital suggestion and will determine whether or not a household is to be considered in its unity in the matter of dependency or broken up into individuals against which credits and debits are to be placed. It is both a legal and moral duty on the part of a parent to support his minor

child and if his minor child becomes a wage earner the parent is entitled to the wages to enable him to discharge his duties as parent. Why should not the same rule and reason obtain in a consideration of compensation cases and especially in those cases in which the minor wage earner turns over his wages to his parents to be used by them to support the household? It is contended by those who oppose this rule that the mother, for instance, should be deemed to be dependent upon a minor or that a certain brother or sister should be deemed a dependent. This seems to me is wrong and contrary to nature. A dutiful child turns over his money to his parents and the money is used for the necessary and general household expenses without any thought of which particular person is receiving the more or less benefit. A minor who delivers his wages to his mother or father to be used in the general support of the household is but enabling his parents the better to discharge their duties as such, and if he dies they should be deemed partially dependent upon him as, in fact, they are. There is no justification for making a book account as between a minor's income and his own outgo to deny compensation if he consumes as much as he earns. This line of reasoning and this disposition of dependency cases is strictly in accord with the enlightened opinions of the courts of England in the administration of the compensation law of that country whose jurisprudence is approved and consulted by the courts of this State.

12. The Commission may, in its discretion, when it is in the interest of justice, designate others than the beneficiaries of awards to receive and receipt for compensation and to apply it to the use of the beneficiaries.

This is to do away with the necessity of incurring expenses in the appointment of guardians, etc. We have numerous instances in which children reside for awhile with one relative and then with another. It is now too often necessary for the Commission to require the appointment of a guardian. In other cases injured workmen may be in the hospital and unable to receive and receipt for compensation while their families are in manifest need of the money. Nevertheless, the law is mandatory

that compensation should be paid only to injured employees or to the dependents of killed workmen.

13. "Workmen and operatives" to be amended to read "employees."

When this amendment was first proposed it was proposed in the presence of a conference of employer representatives, labor representatives and insurance carriers. There was unanimity of opinion that it meant an all-inclusive coverage, but it has been much limited by the interpretation put upon it. The phrase "workmen or operatives" is not elsewhere in our statute which everywhere does use the word "employees" which latter word is well defined. Hence the proposal. Why should not all employees be under the same rights? Why should there be a law of negligence for one part of them and a law of compensation for others? The objectors will be those in the less hazardous employments, but when they are confronted with the slight cost of such insurance their objections, I daresay, will be quieted.

14. Inducement not to file a claim to be a bar thereafter to pleading the Statute of Limitations as a defense.

We have had a few instances of carriers paying compensation or providing medical services during the whole or part of the period of disability and by act, at least, indicating that they were prepared to pay compensation according to law and thereafter resisting the claim when formally filed on the ground that it had not been filed within the time required by law. This is manifestly wrongdoing on their part and to listen to their pleas is to allow them to come into court with unclean hands.

15. The right on the part of the Commission to certify the fact to the State Insurance Department if an insurance carrier is guilty of bad and unfair practices and lacking in co-operation with the Commission in the administration of the compensation law, which certification shall make it obligatory on the State Insurance Department to revoke the carrier's right to do compensation business.

This amendment would go to the heart of the Commission's power in a forthright manner to administer the compensation

law. A few carriers are guilty of unfair practices and their representatives are in constant resistance to the law, making the proceeding in hearing and determining a claim an adversary proceeding instead of a co-operative investigation to discover the truth alone. In other words, we have far too many instances of the old liability practices obtaining in compensation cases and this brazenly in the very hearing rooms of the Commission. It seems to me the Commission should have full power to put a halt to such practices and to declare *persona non grata* a representative of a carrier who is so much in opposition to the orderly process of the administration of the law. These carriers do business by license and not as of natural right. The whole enactment of the compensation law was not only an attempt to do justice to the workman on the one side, but to get out of the maze of difficulties and abominations that personal injury suits and proceedings had come to. We now find ourselves in a few instances fighting strenuously to repel a recurrence of the same practices and I take it we should have free and strong hands with which to accomplish the salutary ends of the statute. A few carriers seem to be organized, not to fulfill the provisions of the compensation law, but to prevent their fulfillment and their practices are so abhorrent and contrary to the ends desired by the framers of this salutary statute that they should be made to quit business in New York.

16. The authority on the part of the Commission in its own discretion to revoke the right to self-insurance and to commute all its outstanding awards and to call them into the aggregate trust fund.

The foregoing observations are also pertinent here. Self-insurers are quickly divided into two classes: The very good and the very bad. The former are those employers who seek means of self-insurance in order that they may carry out the provisions of the law with which they are fully and entirely in accord. In fact, some of them pay more compensation than the law provides and such employers always desire the beneficial results in dealing directly with their own workmen. On the other hand is that class of self-insurers who seek self-insurance from pecu-

niary motives only and who strive through every means to save every cent possible without regard to the rights of persons. Financial responsibility, therefore, should not be the only guide in determining who shall have the right of self-insurance. The attitude of such employers to their workmen is fully as vital a consideration.

17. A more severe penalty should be imposed for non-insurers. This matter is more fully discussed elsewhere in this report.

18. The law should provide for the liquidation and payment into the aggregate trust fund of all outstanding liabilities above a certain amount of self-insurers and mutual concerns.

This has been attempted by action of the Commission and by legislative amendment, but the attempt was abortive, for the courts have ruled that they were unlawful. This should not deter a further attempt to frame a valid statute on the subject.

19. In cases of loss under the specific schedule with another disabling injury not permanent, compensation shall be paid for the specific schedule loss as well as for the disabling other injury.

Under the law concurrent awards may not be now paid, and where we have a specific loss with a disabling injury compensation may not be paid for both. An example will illustrate the desirability of this amendment. A workman loses his first finger for which he is entitled to forty-six weeks' disability. He receives at the same time other injuries which in themselves will disable him for forty-six weeks. Both disabilities are concurrent. At the end of the forty-six weeks when he recovers he is fully compensated with forty-six weeks' compensation and yet he has the loss of an index finger which he will carry through life. All this will be better explained from a consideration of what gives rise to the special schedules in compensation laws. Impairment of earning capacity is the measure of compensation, but if a workman loses his finger, say, for instance, with a clean amputation, the period of disability is often but a few weeks, after which he is able to return to the same employment at the same wage. This would seemingly indicate no impairment of earning

capacity, and yet the next employer may take exception to his crippled hand or in after years the handicap as measured by earning capacity may become more apparent. Moreover, it used to be in judging such cases that each finger became the subject of an investigation and, of course, the measure of the impairment of earning capacity was speculative. Hence, the specific schedules were devised which adjudged in advance the commuted value in weeks of certain specific and permanent injuries although admittedly the impairment would be spread for the injured workman over his entire future experience. In the light of this consideration it will be seen that to absorb the entire compensation for a specific schedule injury into the period of disability caused by concurrent injuries is to pay nothing at all for the specific injury and thus to work an injustice.

20. Amend numbered paragraph 7 of section 15 so that the \$100 to the State Treasurer will be paid if the injury arises out of and in the course of the employment and no award is made for dependency rather than "if there be no persons entitled to compensation."

When this amendment was first proposed it was proposed for the purpose indicated in the text of the paragraph. It was then calculated that it would require a hundred dollars in each case in which no awards were paid for dependent beneficiaries. In practice there has arisen from time to time cases in which persons who would have been entitled to compensation had they made application therefor have later had their claims denied because they slept on their rights. The amendment proposed would cure this defect and permit of the collection from employers or insurance carrier of \$100 in each and every death case in which they do not have to pay compensation.

21. I firmly believe the law should be further amended in two important particulars, each of which is likely on first consideration to appear more radical than it is:

(1) All requirements of notice should be abrogated except the general notice to be given to the Commission by the employer and by the employee.

The excuse for the rule that notice should be given within thirty days (before the recent amendment, ten days) is that it brings home to the employer sufficient knowledge of the injury and the probable claim to arise therefrom to enable him quickly to investigate the circumstances for the sake of certainty with respect to the application of the law and thus to thwart claims wrongfully made. It is true that the failure to give notice may be excused when the employer has knowledge of the circumstances surrounding the accident and when he is not prejudiced by the failure to give notice. The practical operation of the rule, however, is not to this end, but, on the other hand, justice is oftener defeated than upheld in the cases in which the question of notice is the issue. Under the law before its recent amendment, and when the requirement of notice was ten days, there were not two cases in a hundred throughout the State in which the specific requirement of the law was met by the injured party. The reason was that the requirement was not known or known too late or the means of giving notice by the use of the Commission's forms was not at hand. The workmen in a general way know the provisions of the law, but they do not know what particular things to do when they themselves are injured. Moreover, their minds are occupied more with their injuries. The time of notice has been extended to thirty days, but in a great number of cases the formal notice is still omitted. Since the waiting period is fourteen days and since the claim is usually filed before thirty days, the claim itself accomplishes the purpose of the notice. If it did not do so, then I should say that most of the cases would still fail because of this lack of formal notice. If it should be urged that the employer or insurance carrier would be prejudiced, it would also be true that the workman himself would be prejudiced and in a manner which would not call for excuse by the Commission, for by sleeping on his rights his case would be prejudiced by the difficulties of proof; but at all times the case could be considered on its merits and a meritorious case would not fail simply through want of formal notice. The Statute of Limitations would still stand as a bar to a claim after a year's time and this would be safeguard enough. I do not think that any one is able to say that in the States without a rigid require-

ment of notice that the administration of the compensation law is at all embarrassed or that injustice is fostered or rewarded thereby. As it is now, rightful claims have been defeated because of the notice requirement. We are also feeling the marked restriction of the court decisions in cases which have been taken up on the question of notice. This in nowise involves a criticism of the courts, for the provisions of the statute are so mandatory and unequivocal that the courts are bound to hand down the decisions we have received. It seems to me these very decisions in their rigidity suggest this amendment rather than that they intimate too much flexibility in the interpretation of the Commission. In the actual trial of compensation cases, when the question at issue is the question of notice, the trial commissioner must be impressed with the fact that the defense is usually more zealous to establish the failure to meet the technical requirement than to do simple justice.

(2) I suggest also that the compensation law should be amended so that cases would be compensatable if the accident arose "in the course of employment" rather than "out of and in the course of employment." According to the decisions, for an accident to arise out of the employment, it must flow from it as a natural, expected or ordinary sequence. This rule is too narrow for it will need no argument to convince that many an accident is attributable to the employment that does not flow from it as a natural or not unexpected sequence. I refer to such accidents as in all likelihood would not have occurred at all to the workman had he not been engaged in the employment or had he been enjoying a holiday instead of a day of labor. The justification for this suggestion is to be looked for in sound social policy and in a generous view of things as they should be. Nor would the number of cases be greatly augmented or the cost much increased. On the other hand, we should not be often engaged in trying a case in which rights were so apparent notwithstanding that the remedy was restricted. Some States simply require that the accident must arise in the course of employment. The general experience in these States points to the fact that the amendment suggested might be adopted without fear. The tendency is

undoubtedly in the direction indicated. We ourselves used to deny compensation for a street accident if the injury resulted from a hazard purely of the streets. The recent court decision tells us to grant compensation for any accident of the streets in which the employment offers the occasion for the workman to be in the streets during his employment. The illustration contains all the different elements between the two phrasings. Who can say that the slipping on a banana peel, for instance, "arises out of" the manufacture of munitions. And, but yesterday, we should have denied such a claim based upon such an accident, whereas today we grant it, and yet we grant it solely because of a generous interpretation and not from a new discovery of a logical relation between the manufacture of munitions and the slipping on a banana peel. Let this generous interpretation be but written into the law and all the needs of the proposed amendment are accomplished. And, again, the administration of the law would become much more simple, for we now spend a great deal of time and a great many cases go through the appellate courts on this question alone. Meanwhile, employers pay just as much in premiums under the one law as they do under the other, for premiums are paid and reserves are set up on accidental reports as well as on claims filed and awarded.

22. I suggest that section 24 be amended to make it unlawful and a misdemeanor for either a professional or a nonprofessional practitioner to collect from a claimant an amount in excess of \$5 in a compensation case unless upon petition to the Commission it is fixed at a higher amount.

23. I suggest that there be added to the following clause the words "thumb, finger, toe or phalange"; "For the partial loss or the partial loss of the use of a hand, arm, foot, leg or eye, compensation therefor may be awarded for the proportionate loss or proportionate loss of the use of such hand, arm, foot, leg or eye."

24. I suggest that the Commission give consideration as to whether or not there should be recommended an amendment to the first clause of section 18 so as to make certain whether or

not the conjunction "and also" has disjunctive or conjunctive application.

25. I again recommend an amendment providing universal coverage of all employers except farmers, householders and artists or professional men. The attempt to specify the inclusions will require that the law in this respect be constantly amended, for each year the hitherto unthought of employments have to be added to the list. By simply excluding those desired to be excluded the whole matter would be brought to a settled finality and many troublesome situations would be avoided.

WILLIAM C. ARCHER,
Second Deputy Commissioner.

(2) REPORT OF STATE INSURANCE FUND

To the Industrial Commission:

Premiums and Losses

The amount of premiums written for the calendar year 1919 was \$3,409,982.12 as against \$3,332,841.88 for the preceding year, or a net increase of \$77,140.24. The reserves for losses increased from \$3,316,116.40 to \$4,640,602.31, a net increase of \$1,324,485.91. The surplus advanced from \$817,210.50 to \$848,215.41 and total assets rose from \$5,453,212.08 to \$6,615,646.19. The number of policyholders grew from 8,782 to 9,949, the largest number ever insured in the State Fund. These figures show a continued growth for 1919 but at a much lower rate than in previous years.

The loss ratio for the year ending December 31, 1919, took a jump from 50.5 per cent in 1918 to 85.2 per cent for 1919 and the expense ratio rose from 7.5 per cent to 11.3 per cent. It is to be noted, however, that both these items declined sharply in 1918 and that for 1919 they compare favorably with 1917 when the loss ratio was 91.4 per cent and the expense ratio exactly the same as this year, 11.3 per cent.

In analyzing the situation it is readily established that there were in the main two factors which contributed largely to the above results. The first of these was the reduction in premium income through the application of the experience rating plan. This plan did not apply to policies issued prior to June 30, 1918. For this reason it had only a limited effect on the business reported as of December 31, 1918. Its operation so materially reduced the rates that according to the estimate of the Superintendent of Insurance it had the effect of reducing the total premium income for the year for all insurance carriers approximately 10 per cent. The effect upon the premiums of the State Fund appears to have been in excess of 10 per cent. The second factor was the investigation and reports of the Moreland Act Commissioner criticising the former State Fund management. It is not in order here to discuss questions raised by those reports, but that their actual

effect was to create apprehension in the minds of some policy holders sufficient to drive them out of the Fund is beyond question. It is significant that the first report referred to was published shortly before the middle of the year (May 27) and that the volume of premiums written during the second half of 1919 was \$891,475.91 as against \$973,978.14 for the first half of 1919.

The causes which brought about the rise in the loss ratio are briefly, as follows: Reduction of premium income, above referred to; reopening of cases which had presumably been finally adjudicated and consequent increase of awards so that reserves which had previously been thought determined were considerably raised; the general tendency to liberalize the execution of the Compensation Act due to decisions of the courts, such as the Phonville decision, which increased the possible maximum in partial disability cases; greater liberality of awards as a result of the investigation and of the increased cost of living; the natural increase due to the growing demands of claimants who have become more familiar with their rights under the law; the amendment to the law adding chapter 705 of the Laws of 1917, permitting the Commission to determine proportionate loss of the use of hand, arm, foot, leg or eye, the full force of which amendment was not effective until 1919; and prevalence during part of the year of the granting of lump sum settlements freely. It is well to point out that this experience was not individual to the State Fund but that compensation insurance carriers in the State of New York generally met with an increase of loss and expense ratios for the year 1919.

Dividends

In 1918, in consequence of an unprecedentedly favorable experience, a large surplus was accumulated, which made it possible to resume the payment of dividends in the general groups not paid theretofore since 1915, though dividends were paid in the special groups. During 1919 dividends were continued in the general as well as in the special groups, and in all \$611,233 were distributed in dividends. This is the largest amount of dividends allowed for any year in the history of the Fund and amounts to nearly 18 per cent of earned premiums for the year, and this was

done without impairment of reserves and with the largest surplus left at the close of the year in the history of the Fund.

Reserves

Due to the reasons already outlined, the loss reserve rose to the extent of \$1,324,485.91. The reserve for securities fluctuation was reduced from \$124,454.58 for 1918 to \$31,700.68 in consequence of the adoption this year of the method of valuation of securities prescribed by the Convention of Insurance Commissioners. By this method the average of the market value of the securities for five days during the year instead of the market value for the last day of the year is used. This reserve represents the difference between the book value of the investments and the convention value at the date of the financial statement. In setting up this reserve, the State Fund has continued a practice which was first inaugurated in its financial statement of June 30, 1918.

The reserve for current expenses virtually doubled during the last year and the sum of \$614,245.94 has been set apart for this purpose. This is due to the fact that the expenses for the fiscal year 1918-1919 were not ascertained until recently. It became, therefore, necessary to charge up actual expenses for the fiscal year plus an increased estimate for the six months ending December 31st.

Rates

The rates used by the State Fund are still those adopted early in 1917, which means that its rates are still 15 per cent lower than the manual rates used by the other carriers, whose rates have remained the same since December 31, 1917. But during this period a great and general rise in the level of wages has increased total payrolls, upon which premiums are calculated, with the result on the one hand of increasing profits under the existing rates and on the other of raising the question of revision of rates. This latter question became so insistent during 1919 as to lead to the creation of a new agency for the scientific determination of rates by the organization of the National Council on Workmen's Compensation Insurance which is an outgrowth of the former National Reference Committee. The object of the National Council on Workmen's Compensation Insurance is to co-operate with rating

boards in all states in the determination of premium rates for workmen's compensation insurance. The council compiles experience for rate-making purposes for all carriers in all states, establishes classifications for rate-making and rules of procedure governing the application of these rates. It establishes basic pure premiums and formulates general principles applicable to the translation of such pure premiums into rates. All insurance organizations in this state carrying workmen's compensation insurance are affiliated with the National Council by virtue of their membership in the Compensation Inspection Rating Board.

The first work of this National Council has been a study of rate revision and it is expected that new rates will be prepared and adopted in 1920.

In common with other carriers the State Fund uses the Schedule and Experience Rating plans by which basic rates are modified for the individual policyholder according to the condition of his plant with respect to safety, and his individual accident experience.

Schedule Rating

As regards the schedule rating plan in force, there has been no change since the last annual report. It is proposed on and after March 1, 1920, however, that risks will be rated in advance of renewals if such risks also qualify under the experience rating plan. In such cases the schedule and experience rating plan will be combined when the rates applicable to the new period are promulgated by the Rating Board.

Experience Rating

Under the experience rating plan which is now applied through the medium of the Rating Board, no risk can qualify unless the experience of twenty-one months immediately preceding the close of the experience period is available and the premium on the policy is no less than \$500 per annum. A minimum of twenty-one months must be available and a maximum of forty-five months may be considered. The applications for experience rating are filed with the Rating Board thirty days after the policy period and adjusted rates are returnable by the Board within ninety days thereafter. The adjusted rates are applicable retroactively to the

beginning of the policy period. It is proposed, however, that on and after March 31, 1920, the condition be reversed so that applications for experience rating on all risks qualifying under the plan shall be filed with the Board ninety days prior to the effective date of renewal insurance. The plan provides that at least eighteen months and not more than forty-two months of continuous workmen's compensation experience shall be used for rating purposes. The experience in all cases will be brought down to the day six months prior to renewal insurance. A risk shall be considered to be subject to this plan if during the eighteen months immediately preceding the close of the experience period it has produced a payroll such that the application thereto of manual rates shall result in a premium of not less than \$500. This plan is to be applied without exception to all risks that qualify under its provisions, and applications for experience rating for every risk regardless of results produced by the plan, and regardless of which carrier may secure the renewal insurance, must be filed with the Rating Board ninety days prior to the effective date of renewal insurance.

Accidents and Inspections

The number of accidents reported during the year 1919, was 14,740 as compared with the total of 22,510 for 1918. The number of compensatable cases was 3,598 which represents an increase of 22 as compared with the number for 1918. There were 92 death cases, 4 total permanent disability cases, 943 permanent partial disability cases and 2,559 temporary total disability cases. The State Fund furnished medical aid in approximately 16,000 cases at an average cost of \$14.55 per case as compared to 17,883 at an average cost of \$14.66 per case for 1918. The State Fund made 2,466 inspections as against 2,246 in 1918.

N. W. MULLER,

Acting Manager.

COMPARATIVE STATEMENT OF BUSINESS—STATE INSURANCE FUND

	Six months ended Dec. 31 1914	Twelve months ended Dec. 31, 1915	Twelve months ended Dec. 31, 1916	Twelve months ended Dec. 31, 1917	Twelve months ended Dec. 31, 1918	Twelve months ended Dec. 31, 1919
Number of policyholders.....	7,125	8,507	9,066	9,084	8,782	9,949
Premiums in force.....	\$680,764.94	\$674,973.44	\$797,743.31	\$810,576.79	\$940,902.83	\$891,475.91
Net premiums written.....	680,764.94	1,203,612.75	2,048,138.91	2,694,851.17	3,332,841.88	3,438,862.12
Earned premiums.....	645,154.02	1,269,432.61	2,045,925.52	2,681,370.01	3,322,663.74	3,428,306.70
Expense incurred.....	82,446.57	1,183,232.97	188,020.08	302,708.92	246,636.75	388,006.70
Expense ratio to earned premiums.....	12.5%	15.2%	9.2%	11.3%	7.5%	11.3%
Losses and loss reserve.....	\$393,572.15	\$820,652.06	\$1,890,229.34	\$2,448,485.00	\$1,660,471.57	\$2,920,355.36
Loss ratio to earned premiums.....	60.9%	64.6%	92.4%	91.4%	50.5%	85.2%
Dividends allowed.....	.....	347,541.45	240,084.74	150,420.63	229,958.45	611,233.36
Investments.....	.....	1,059,824.01	1,854,642.50	2,680,155.00	4,184,288.00	5,487,615.03
Surplus.....	250,161.71	377,399.45	253,179.44	398,682.22	817,210.50	848,215.41

ASSETS AND LIABILITIES
DECEMBER 31, 1919

ASSETS

Investments.....	\$5,487,615 03
Cash.....	539,806 17
Accrued interest.....	58,637 52
Policyholders' accounts.....	529,587 47
Total.....	<u>\$6,615,646 19</u>

LIABILITIES

Reserve for losses.....	\$4,640,602 31
Reserve for deferred claim expense.....	139,218 07
Reserve for unearned premiums.....	141,663 78
Reserve for current expenses.....	614,245 94
Reserve for securities fluctuation.....	31,700 68
Reserve for dividends to be paid.....	200,000 00
Surplus.....	848,215 41
Total.....	<u>\$6,615,646 19</u>

INCOME AND DISBURSEMENTS—TWELVE MONTHS ENDED DECEMBER 31, 1919

INCOME		
Net premium income.....		\$3,409,982 12
Interest income.....		
Interest received on investments.....	\$209,158 99	
Accrued interest on investments Dec. 31, 1919.....	55,690 17	
Total interest on investments.....	\$264,849 16	
Less:		
Accrued interest on investments Dec. 31, 1918.....	\$49,694 86	
Interest accrued on bonds acquired.....	12,217 84	
Total interest on bonds.....	61,842 70	
Net interest earned on investments.....		\$203,006 46
Interest received on deposits.....	\$10,825 18	
Accrued interest on deposits Dec. 31, 1919.....	2,947 35	
Total interest on deposits.....	\$13,772 53	
Less:		
Accrued interest on deposits Dec. 31, 1918.....	2,116 10	
Net interest earned on deposits.....		11,656 43
Total net interest income.....		214,662 89
Miscellaneous income:		
Profit received on bonds matured.....	\$52 12	
Interest on outstanding premiums.....	49 18	
Total income.....		101 30
		<u>\$3,624,746 31</u>
		\$1,596,473 45
DISBURSEMENTS		
Losses paid.....		
Administration expense (Sec. 77).....	\$44,728 88	
Administration expense (Sec. 94).....	192,467 25	
Profit and loss charges.....		
Loss on bonds matured.....		
Increase in reserves:		
For losses.....	\$1,324,485 91	
For deferred claim expense.....	6,573 42	
For expenses (Sec. 77).....	64,463 57	
For expenses (Sec. 94).....	80,240 53	
For uncollectable policyholders' accounts.....	10,396 81	
For loss payment suspense.....	192 98	
Gross increase in reserves.....		\$1,486,353 22

Decrease in reserves:			
For unearned premiums.....	\$16,322 14		
For experience fluctuation.....	200,000 00		
For dividends to be paid.....	35,258 10		
	<u>251,580 33</u>		
Gross decrease in reserves.....		1,234,772 89	
Net increase in reserves.....		<u>\$3,076,261 94</u>	
Total disbursements and increase in reserves.....			\$549,434 37
Surplus earned twelve months ended Dec. 31, 1919.....			<u>817,210 50</u>
Surplus Dec. 31, 1918.....			\$1,366,094 87
			<u>92,763 90</u>
Increase in value of investments twelve months ended Dec. 31, 1919.....			\$1,459,448 77
Dividends allowed twelve months ended Dec. 31, 1919.....			<u>611,233 36</u>
Surplus—catastrophe.....	\$708,597 43		
Surplus—unassigned.....	<u>139,617 96</u>		
Surplus Dec. 31, 1919.....			<u>\$848,215 41</u>

INVESTMENTS OWNED BY STATE INSURANCE FUND

BONDS	Year of maturity	Rate of interest	Book value	Par value	Market value
New York City	1964	4 1/2	\$346,078 13	\$350,000 00	\$350,000 00
New York City	1950	4	133,665 00	138,000 00	131,100 00
New York City	1956	4	35,982 50	37,000 00	35,150 00
City of Albany, New York	1955	4 1/2	50,562 50	50,000 00	49,500 00
New York City	1960	4 1/2	101,812 50	100,000 00	100,000 00
New York City	1965	4 1/2	101,937 50	100,000 00	105,000 00
Town of North Hempstead, N. Y. (\$20,000 matures each year)	1921-34	5	32,145 00	30,000 00	30,900 00
County of Westchester, N. Y. 1949	1951-54	4 1/2	21,825 00	20,000 00	20,800 00
County of Westchester, N. Y. 1951-54	1949-51	4 1/2	87,646 00	80,000 00	83,200 00
City of Niagara Falls, N. Y. (\$10,000 matures each year)	1932	4 1/2	33,065 78	30,000 00	30,600 00
City of Niagara Falls, N. Y. 1932	1953	4 1/2	3,311 89	3,000 00	3,080 00
City of Mount Vernon, N. Y. 1954	1923-36	4 1/2	11,172 12	10,000 00	10,200 00
City of Mount Vernon, N. Y. 1954	1943-45	4 1/2	44,770 70	40,000 00	40,800 00
County of Erie, N. Y. (\$15,000 matures each year)	1943-45	4	72,926 00	70,000 00	69,300 00
County of Erie, N. Y. 1946	1962	4	46,092 02	45,000 00	44,100 00
City of New York	1960	4 1/2	30,757 86	30,000 00	29,400 00
City of Mount Vernon, N. Y. (\$20,000 matures each year)	1956	4 1/2	102,890 63	100,000 00	100,000 00
City of Mount Vernon, N. Y. (\$20,000 matures each year)	1962-63	4 1/2	15,899 85	15,000 00	14,700 00
City of Yonkers, N. Y. (\$10,000 matures each year)	1921-22	4 1/2	42,542 80	40,000 00	39,200 00
City of Yonkers, N. Y. (\$10,000 matures each year)	1928-30	4 1/2	20,352 40	20,000 00	20,000 00
City of Yonkers, N. Y. (\$10,000 matures each year)	1923	4 1/2	31,128 81	30,000 00	30,000 00
City of Yonkers, N. Y. (\$10,000 matures each year)	1924-25	4 1/2	2,055 25	2,000 00	2,000 00
City of Yonkers, N. Y. (\$7,000 matures each year)	1931-35	4 1/2	20,552 40	20,000 00	20,000 00
City of Yonkers, N. Y. (\$4,000 matures each year)	1936-40	4 1/2	36,315 95	35,000 00	35,000 00
City of Yonkers, N. Y. (\$6,500 matures each year)	1941-52	4 1/2	20,752 51	20,000 00	20,000 00
City of Yonkers, N. Y. (\$6,000 matures each year)	1953-54	4 1/2	81,129 30	78,000 00	78,000 00
City of Yonkers, N. Y. (\$4,000 matures each year)	1955-56	4 1/2	12,477 40	12,000 00	12,000 00
City of New York	1930	4 1/2	8,301 00	8,000 00	8,000 00
City of Little Falls, N. Y. (\$10,000 matures each year)	1929-34	4 1/2	206,736 00	200,000 00	200,000 00
City of New York	1966	4 1/2	87,702 50	85,000 00	85,000 00
United States of America, 1st Liberty Loan	1917	4 1/2	64,578 00	60,000 00	62,500 00
County of Nassau, N. Y. 1926	1923	5	101,625 00	100,000 00	105,000 00
City of Yonkers, N. Y. 1926	1920	5	60,000 00	60,000 00	60,000 00
City of Yonkers, N. Y. 1927	1927	5	50,550 00	50,000 00	51,000 00
City of Niagara Falls, N. Y. 1926	1926	5	10,315 20	10,000 00	10,200 00
County of Clinton, N. Y. 1927	1927	5	40,732 32	40,000 00	40,000 00
County of Clinton, N. Y. 1927	1927	5	25,799 41	26,000 00	25,710 00
County of Clinton, N. Y. 1929	1929	5	2,089 18	2,000 00	2,080 00
County of Clinton, N. Y. 1933	1933	5	4,196 04	4,000 00	4,120 00
County of Clinton, N. Y. 1933	1933	5	3,171 87	3,000 00	3,120 00
United States of America, 2d Liberty Loan	1942	4 1/2	17,065 40	16,000 00	16,720 00
City of Albany, N. Y. (\$25,000 matures each year)	1922-23	4 1/2	100,000 00	100,000 00	100,000 00
City of Albany, N. Y. (\$25,000 matures each year)	1922-23	4 1/2	50,238 00	50,000 00	50,250 00

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PART IV
REPORT OF BUREAU OF MEDIATION AND
ARBITRATION

[170]

REPORT OF THIRD DEPUTY COMMISSIONER

IN CHARGE OF BUREAU OF MEDIATION AND ARBITRATION

To the Industrial Commission:

The annual report of the Bureau of Mediation and Arbitration for the year ended June 30, 1919, is herewith respectfully submitted. This report contains a record of 168 disputes, as compared with 265 in the report for year ended June 30, 1918. The difference in persons involved and working days lost is as follows:

	1918	1919
Employees involved directly.....	83,650	208,952
Employees involved indirectly.....	6,355	2,006
Aggregate days of working time lost.....	1,785,384	11,346,653

While there is a large decrease in the number of disputes reported, as compared with the report of last year, the number of employees involved and consequently the amount of time lost is far greater. The decrease in number of disputes is explained by the fact that four months of this report covered a period when the country was actually engaged in the world war and labor was "doing its bit;" also the Federal government had in a number of cases taken over the control of industries in relation to labor conditions and through satisfactory adjustments minimized the number of disputes. These conditions prevailed also for some time after the armistice. However, the strikes which did occur were of broader scope and involved a greater number of employees.

The report of the bureau for last year carried a comparison of the number of strikes and lockouts with the preceding years and need not be further referred to in this report. It is, however, important to cite that in 1918, the last report year, the bureau intervened in 80 disputes out of a total of 265 and effected 56 settlements; in only 25 of these was intervention requested. The report for this year shows intervention in 74 out of a total of 168 with 43 settlements effected, intervention being requested in 31 cases.

The number of disputes in the won or compromised group that were settled by direct negotiations is considerably less as compared with the previous report, 107 in 1918 and 45 in 1919.

Out of 265 strikes reported in 1918, 119 were successful, 49 partly successful and 97 were lost to the strikers; in the period covered by this report, the following is observed: Out of the total number of 168 strikes, 61 were successful, 48 partly successful and 59 were lost to the strikers.

The industries in which the greatest number of strikes occurred during the year were as follows:

TRADE	WORKING DAYS LOST
Metals, machines, conveyances.....	64,976
Building industry	113,516
Textiles	443,360
Transportation	150,440
Clothing	7,660.218

The Board of Mediation and Arbitration under authority of the Industrial Commission held but one public hearing during the report year, this being in the case of the strikes of metal workers and furniture workers at Jamestown. The strikes occurred on May 27 (machinists) and on June 5 (furniture workers). A hearing was conducted for four days, June 24-27, and the report covering findings is here noted.

REPORT COVERING FINDINGS

STATE OF NEW YORK — STATE INDUSTRIAL COMMISSION

IN THE MATTER OF THE INQUIRY INTO THE CAUSES OF THE STRIKES OF MACHINISTS AND FURNITURE WORKERS AT JAMESTOWN, N. Y.

In pursuance of the order of the State Industrial Commission heretofore made, the State Board of Mediation and Arbitration held an inquiry into the causes of the strikes above named on the 24th, 25th, 26th, and 27th days of June, 1919, at Jamestown, N. Y., and as a result of said inquiry, said Board finds and hereby reports that the causes of said strikes were as follows:

First: Dissatisfaction on the part of the workers now on strike, with the wages heretofore paid in the plants affected by said strikes and received by said workers at the time said strikes were called.

Second: Dissatisfaction on the part of said workers with the basic forty-eight (48) hour week which said basic forty-eight (48) hour week was heretofore established in said industries, and demand on the part of the workers on strike for the basic eight (8) hour day, which demand was refused by the said employers affected by said strikes.

Third: The feeling on the part of certain employees on strike that certain members of the machinists' union had been discharged by the Art Metal Company of Jamestown, N. Y., because of their membership in said union. In connection with that, the Board however, is unable to find that any of the employees of the said Art Metal Company were discharged from their former places by said company because of membership in any labor union.

Fourth: The demand on the part of certain unions engaged in the strike for recognition of their unions by the employer.

Said Board further reports that the evidence taken shows that wages in some instances at least were low and undoubtedly less than what might be called a living wage, but that wages were not uniform in all the plants affected and in some cases were undoubtedly as high as those paid in the same industries in other places.

There was a total of about fifty-five employing plants affected by this strike, many of which are entirely closed down at the present time and approximately 3,500 employees of the different plants affected are now on strike. The Board finds that in hiring their employees, the plants affected have been in the habit of dealing individually with each of their employees, and that collective bargaining does not prevail to any extent in the plants affected.

A plan or recommendation as a method and basis for the settlement of these strikes is submitted herewith.

Very respectfully,

F. B. THORN,
JAMES McMANUS.

Dated: ALBANY, N. Y., July 1, 1919.

"State of New York.

State Industrial Commission.

The State Board of Mediation and Arbitration having heretofore conducted an inquiry into the causes of the strikes of machinists and furniture workers of Jamestown, N. Y. and having taken the testimony of witnesses as to the causes of said strikes, and having concluded its hearings thereon, does hereby make the following recommendations as a basis for and as a means of settling such strikes:

First: Said Board hereby recommends that all former employees of the plants and firms affected by said strikes at Jamestown be reinstated by their former employers at said city in their former positions with said employing concerns as rapidly as resumption of work by said plants permits without any discrimination because of membership in any labor union.

Second: Said Board recommends the adoption and establishment by said employing firms, affected by such strikes, of the basic eight (8) hour day in the place and stead of the basic forty-eight (48) hour week now prevailing generally at Jamestown, with time and one-half pay for all time worked more than eight hours in any one day.

Third: Said Board recommends that a readjustment of wages in the plants affected by said strike be made in all cases where it cannot be conclusively shown that the wages paid at the time of the strike were equal to wages paid in like industries and for like work at other plants of the same

kind similarly situated, and it recommends that, for the purpose of reaching such readjustment of wages, the employers affected by said strikes meet and treat with committees selected by their employees for the purpose of agreeing upon such wages and wage scales to be paid, and further recommends in case said employers and said committee selected by their employees cannot agree upon said question of wages, that the amount of such wages be left to arbitration by a board of arbitration consisting of equal numbers representing the employers and the employees and a chairman elected by those so selected, the decision of said board of arbitration to be final and binding upon both parties.

Said Board further recommends that, upon the acceptance of these conditions and recommendations by the parties to said strikes, said strike be declared off and work be resumed by the employers and employees.

F. B. THORN, *Chairman*,
JAMES McMANUS.

State Board of Mediation and Arbitration."

It is important to call attention to the strike of the clothing workers in New York City beginning October 28, 1918, and continuing to January 27, 1919, in which 50,000 employees were involved. This brought to the workers an increase of \$2 per week in wages for week workers and 10 to 12½ per cent per week to piece workers and a forty-four hour week.

The strike of the garment workers in New York City which began May 14, 1919, involving 45,000 employees, was settled on June 14, 1919, with an increase of wages ranging from 15 to 20 per cent and a forty-four hour week.

The general work of the bureau is described in the statistical report submitted and matters which deserve special attention have been detailed. It is, however, important to refer to the conditions as at present existing and even further to define a general policy which may be agreed upon in facing the labor unrest at present existing.

It is generally agreed that during the war labor exerted all efforts to stimulate production and maintain it at the standard the nation demanded. Following the release from war tension, industry generally relaxed, production was lowered and capital necessarily felt the loss of high revenues. The cost of living was continually advancing and, although no foundation can be established in fact, the workers generally had the impression that efforts were to be made to reduce wages. Therefore we find labor to-day exerting stronger efforts to perfect organization

and obtain recognition, with the result that there is a greater number of strikes, following the denial of demands principally for increased wages and shorter hours, than ever before recorded for a like period. All states and the national authorities are directing their efforts to establish a policy which will restore the industrial life of the country to normal conditions at least. Looked at from any angle no solution of this can be satisfactory unless a fair and honest attempt is made to establish the rights of the workmen. The acknowledgment that he cannot be restrained from joining a labor union and even that he may go on strike does not clear the way to contentment. There must be a certain recognition of organization and this can only be demonstrated in their right to bargain under a collective method for the conditions under which work shall be performed. It is claimed, and the claim has merit, that in collective bargaining labor organizations should assume and acknowledge their responsibility. Conceding this, once the bargain is consummated, they should exert all efforts to assist, and advance the general interest of, the employer and adhere faithfully to their contractual relations. Once the employer and employee lay aside the feeling of antagonism which generally exists, look at each other as co-workers, and cease to seek the faults of the other, harmonious relations will become a fact. It is too much, however, to expect that all disagreements between them can be overcome and there should be the authority of the state (which really represents the public) to extend its help, not in an arbitrary way but in a purely conciliatory one. The state should be able to observe the points of difference and make proposals and suggest ways of overcoming them. Once a strike or lockout is declared, a feeling of bitterness is engendered and old offenses on both sides, perhaps long forgotten, are brought up to aggravate the situation. Therefore, the need of mediation, before the breaking off of relations, becomes a real necessity. The state can exercise its proper functions without infringing on the rights of business to conduct its affairs by its own method or of labor to bargain for the conditions under which it shall make its agreements, but information should be supplied which will enable the state to furnish its mediatory efforts at a time when it is most necessary. In conclusion I earnestly recommend that an amendment to the Labor Law rela-

tive to mediation be drafted and pressed for passage at the next meeting of the Legislature, along the lines indicated below.

(1) A new section, to be numbered 141-a, should be added to article 10, to read as follows:

It shall be the duty of every employer of labor and the secretary of every labor organization to file with the Commission at the time of its enactment, a copy of any agreement or contract regulating wages or conditions of labor entered into between employer and employees, and it shall be the further duty of any employer and the secretary of any labor union and the chairman of any committee delegated to act for employees to send notice to the Commission whenever a strike or lockout occurs or is seriously threatened.

(2) Section 141 of article 10 should be amended by adding the following:

It shall be the duty of every employer of labor, the chairman of every committee of employees and the secretary of every labor union to file in the office of the Industrial Commission within twenty-four hours, a notice of the failure of any pending negotiations relative to wages or working conditions between an employer and his employees and of any strike or lockout occurring.

The statistical tables, which complete this report, show the causes and results of disputes and the results of the Bureau's interventions in the fiscal year 1919.

E. D. JACKSON,

Third Deputy Commissioner.

TRADES AFFECTED

	NUMBER OF DISPUTES		NUMBER OF WORKING DAYS LOST	
	1918	1919	1918	1919
1. Stone, clay, glass products.....	5	1	7,608	545
2. Metals, machines, conveyances.....	56	48	890,636	64,976
3. Wood manufactures.....	1	4	7,150	73,642
4. Leather and rubber goods.....	8	7	159,433	1,723,622
5. Chemicals, oils, paints, etc.....	4	2	1,778	2,792
6. Paper and pulp.....	7	5	7,063	63,492
7. Printing and paper goods.....	3	9	62,652	167,604
8. Textiles.....	28	18	31,743	443,360
9. Clothing, millinery, etc.....	9	15	62,652	7,660,218
10. Food, liquors, tobacco.....	27	9	147,088	12,129
11. Water, light, power.....	6	1	13,678	106
12. Building industry.....	29	25	59,751	113,516
13. Transportation.....	57	18	63,397	150,440
14. Trade.....	16	3	48,649	8,807
15. Hotels, restaurants, etc.....	8	3	3,941	175,097
16. Professions.....	.....	.....	.....	.....
17. Public employment.....	1	.....	444	.....

PRINCIPAL CAUSE OR OBJECT OF DISPUTES

	NUMBER OF DISPUTES		NUMBER OF WORKING DAYS LOST	
	1918	1919	1918	1919
Increase in wages.....	183	87	60,838	4,917,387
Reduction in wages.....	1	4	96	25,889
Shorter hours.....	11	21	110,589	5,725,677
Longer hours.....				
Trade unionism.....	31	20	56,829	61,639
Particular persons.....	28	17	276,844	216,296
Working arrangements.....	8	8	14,218	1,353,678
Payment of wages.....	3	7	470	122,730
Sympathetic.....		4		267,697
Miscellaneous.....				

RESULTS OF DISPUTES

	NUMBER OF DISPUTES	
	1918	1919
Strike successful.....	119	61
Strike partly successful.....	49	48
Strike lost.....	97	59

METHOD OF SETTLEMENT OF STRIKES WON OR COMPROMISED

	NUMBER OF DISPUTES	
	1918	1919
Direct negotiations between parties.....	107	45
Mediation by State Bureau.....	33	38
Mediation by other agencies.....	21	16
Arbitration.....	7	10

COMPARISON OF INTERVENTIONS, 1918-1919

	1918	1919*
Number of disputes in which intervention occurred.....	80	74
Number of requests received for intervention.....	24	31
Number of disputes in which intervention was successful.....	56	43
Number of disputes in which intervention was unsuccessful.....	24	31
Number of interventions before strikes.....	13	6
Number of disputes in which conferences were arranged.....	51	38
Number of disputes settled by mediation with parties separately.....		
Number of disputes settled by arbitration.....		10
Number of public investigations conducted.....		1

COMPARISON OF DISPUTES, 1916-1919

	1916	1917	1918	1919
Number of strikes and lockouts.....	328	234	265	168
Employees involved directly.....	222,325	144,951	83,650	208,952
Employees involved indirectly.....	31,629	18,376	6,355	2,006
Aggregate days of working time lost.....	9,581,163	2,600,335	1,785,384	11,346,653

* Particulars of interventions in 1919 are given in the table which is appended to this report.

TABULAR SUMMARY OF INTERVENTIONS

LOCALITY	Trade involved	Date of strike (actual or threatened)	Number of employees affected	Date of intervention
Albany.....	Machinists.....	Aug. 1, 1918	35	Aug. 3, 1918
Albany.....	Waiters.....	Dec. 1, 1918	279	Dec. 2, 1918
Albany.....	Textile workers.....	Feb. 1, 1919	1,090	Feb. 7, 1919
Albany.....	Machinists.....	Threatened...	100	Mar. 16, 1919
Albany.....	Building trades.....	May 1, 1919	1,420	May 9, 1919
Albany.....	Potash workers.....	May 28, 1919	162	June 16, 1919
Auburn.....	Molders.....	May 1, 1919	100	Sept. 17, 1919
Auburn.....	Motormen.....	May 3, 1919	161	May 3, 1919
Buffalo.....	Waitresses.....	July 5, 1918	165	July 15, 1918
Buffalo.....	Linemen.....	Jan. 21, 1919	16	Jan. 29, 1919
Buffalo.....	Shipbuilders.....	Mar. 21, 1919	469	Mar. 22, 1919
Buffalo.....	Machinists.....	May 13, 1919	41	May 15, 1919
Cohoes.....	Textile workers.....	Jan. 31, 1919	2,119	Feb. 11, 1919
Dunkirk.....	Electrical workers.....	Threatened...	6	Sept. 10, 1918
Elmira.....	Machinists.....	May 6, 1919	2,020	May 13, 1919
Hastings.....	Conduit and cable workers.....	June 25, 1919	650	June 26, 1919
Hornell.....	Hosiery workers.....	July 9, 1918	180	July 24, 1918
Hornell.....	Silk workers.....	Feb. 1, 1919	151	Feb. 24, 1919
Jamestown.....	Machinists.....	May 27, 1919	1,350	June 15, 1919
Jamestown.....	Furniture workers.....	June 5, 1919	3,000	June 24-27 June 15, 1919
Kingston.....	Shipyard workers.....	Mar. 6, 1919	375	June 24-27 April 3, 1919
Little Falls.....	Leather workers.....	Jan. 11, 1919	300	Jan. 17, 1919
Newburg.....	Plumbers.....	Feb. 1, 1919	135	Feb. 10, 1919
Newburg.....	Sheet metal workers.....	May 12, 1919	17	May 15, 1919
Newburg.....	Sheet metal workers.....	May 8, 1919	30	May 27, 1919
Poughkeepsie.....	Garment workers.....	June 11, 1919	261	July 1, 1919
New York City.....	Linotype workers.....	July 25, 1918	1,750	July 26, 1918
New York City.....	Trolley men and conductors.....	Aug. 24, 1918	2,200	Aug. 24, 1918
New York City.....	Teamsters, chauffeurs.....	Sept. 30, 1918	174	Sept. 30, 1918
New York City.....	Longshoremen.....	Oct. 10, 1918	200	Oct. 19, 1918
New York City.....	Clothing workers.....	Oct. 28, 1918	50,000	Nov. 5, 1918
New York City.....	Paper plate makers.....	Oct. 28, 1918	53	Nov. 6, 1918
New York City.....	Cooks, kitchen help.....	Oct. 28, 1918	2,000	Nov. 13, 1918
New York City.....	Hand laundry workers.....	Nov. 7, 1918	6,000	Nov. 19, 1918
New York City.....	Waist and dressmakers.....	Jan. 21, 1919	33,000	Jan. 11, 1919
New York City.....	Chauffeurs.....	Feb. 26, 1919	900	Feb. 26, 1919
New York City.....	Messengers.....	Mar. 22, 1919	150	Mar. 22, 1919
New York City.....	Telegraphers.....	June 11, 1919	235	June 14, 1919
New York City.....	Teamsters.....	June 23, 1919	200	June 23, 1919
New York-Brooklyn.....	Linotype workers.....	May 23, 1919	1,700	June 4, 1919
New York-Brooklyn.....	Ironworkers.....	July 3, 1918	163	July 3, 1918
New York-Brooklyn.....	Laundry workers.....	Nov. 20, 1918	510	Nov. 26, 1918
New York-Brooklyn.....	Enamel workers.....	Mar. 19, 1919	375	April 2, 1919
New York-Brooklyn.....	Piano workers.....	April 30, 1919	250	May 14, 1919
New York-Brooklyn.....	Bakers.....	May 1, 1919	300	June 5, 1919
New York-Brooklyn.....	Paper bag workers.....	Mar. 13, 1919	80	Mar. 18, 1919

FROM JULY 1, 1918, TO JUNE 30, 1919

Result of intervention	Result of strike
Conference arranged; settlement resulted.....	Strike won
Conference arranged; no agreement reached.....	Strike lost
Conference arranged; settlement resulted.....	Strike won
Conference arranged.....	No strike
Conference arranged between Building Trades Council and Builders' Exchange; settlement satisfactory to both parties arranged.....	Compromise
Interview with employer who agreed to reinstate all former employees.....	Strike lost
Conference arranged and settlement resulted after period covered by this report.....	Strike won
Conference arranged; settlement resulted.....	Strike won
Efforts to arrange conference unsuccessful.....	Strike lost
Conference refused.....	Strike lost
Endeavored to arrange conference but matter was referred to U. S. Department of Labor.....	Strike lost
Conference refused.....	Strike lost
Unable to arrange conference.....	Strike won
Settlement arranged.....	Strike averted
Unable to arrange conference as company stated that policy agreed to by the Willys-Overland Co. would be the policy of the Willys-Morrow Co. The employees would not return to work until a general settlement was made.....	Strike lost
Conference arranged; satisfactory settlement resulted.....	Compromise
Conference refused.....	Referred to War Board
Conference arranged; no settlement resulted.....	Compromise
Public investigation by Commission; recommendations rejected by the strikers.....	Strike lost
Public investigation by Commission; recommendations rejected by strikers.....	Strike lost
Conference refused.....	Strike lost
Bureau submitted proposal for settlement which was accepted but soon after the men returned, disagreement arose which resulted in strike being prolonged with changing issues until about June 1 1919.....	Strike lost
Agreed to submit dispute to arbitration.....	Compromise
Conference arranged; settlement resulted.....	Compromise
Conference arranged; settlement resulted.....	Compromise
Conference arranged; no agreement reached.....	Strike lost
Conference arranged; settlement resulted.....	Compromise
Conference refused.....	Strike lost
Conference arranged; settlement resulted.....	Compromised on wages; union not recognised
Conference arranged.....	Strike lost
Endeavored to arrange conference; matter handled by War Labor Board.....	Strike won
Conference arranged; settlement resulted.....	Strike won
Conference refused.....	Strike lost
Conference arranged; settlement resulted.....	Compromise
Effort to adjust differences before strike was not successful. Contractors Manufacturers' Association reported as holding conference with union officials and settlement resulted. Agreement signed.....	Strike won
Conference at first refused; later arranged and new regulations drafted.....	Strike lost
Conference arranged between company's officials and committee of boys on strike resulting in settlement.....	Compromise
Conference refused.....	Strike lost
Conference arranged with representatives of employers and union officials and partial settlement resulted.....	Compromise
Effort to arrange conference was not successful. Employers and employees settled direct.....	Compromise
Conference arranged with company's president and union officials which resulted in settlement.....	Strike won
Conference arranged; settlement resulted.....	Compromise
After interview with manager and conference with both sides, joint conference was arranged on April 18 which resulted in settlement.....	Compromise
Joint conference of company's officials and strikers arranged; settlement resulted.....	Compromise
Conference refused.....	Strike lost
Conference refused.....	Strike lost

TABULAR SUMMARY OF INTERVENTIONS

LOCALITY	Trade involved	Date of strike (actual or threatened)	Number of employees affected	Date of intervention
New York-Brooklyn	Shoe workers	Feb. 25, 1919	15,000	Feb. 25, 1919
New York-Brooklyn	White goods workers	Feb. 25, 1919	5,500	Feb. 13, 1919 Mar. 1, 1919
New York-Queens	Shoe workers	May 2, 1919	500	May 8, 1919
Niagara Falls	Building trades	Jan. 23, 1919	60	Feb. 1, 1919
Niagara Falls	Machinists	Feb. 17, 1919	72	Mar. 11, 1919
Rochester	Printers	Nov. 19, 1918	578	Nov. 20, 1918
Rochester	Taxicab drivers	April 1, 1919	100	April 3, 1919
Rochester	Ironworkers	Threatened	50	April 18, 1919
Rome	Metal polishers	May 26, 1919	80	June 5, 1919
Rome	Brass and copper workers	June 4, 1919	4,400	June 9, 1919
Saratoga Springs	Textile workers	June 2, 1919	266	June 12, 1919
Schenectady	Toolmakers	July 19, 1918	50	July 22, 1918
Schenectady	Electricians	Dec. 19, 1918	16,800	Dec. 21, 1918
Schenectady	Electricians	May 1, 1919	30	May 20, 1919
Schenectady	Bakers	June 2, 1919	31	June 14, 1919
Syracuse	Building trades	May 1, 1919	1,200	May 8, 1919
Syracuse	Molders	May 1, 1919	300	Sept. 15, 1919*
Tonawanda	Machinists	Threatened	50	Mar. 13, 1919
Tonawanda	Board and paper workers	Mar. 1, 1919	181	Mar. 14, 1919
Tonawanda	Paper workers	May 1, 1919	185	May 5, 1919
Troy	Ironworkers	July 8, 1918	850	July 9, 1918
Troy	Clerks	Jan. 27, 1919	149	Feb. 24, 1919
Troy	Drivers	Mar. 13, 1919	13	Mar. 14, 1919
Troy	Electricians	April 2, 1919	50	May 9, 1919
Waterford	Iron molders	June 2, 1919	57	June 2, 1919
Watertown	Machinists	Jan. 8, 1919	150	Jan. 23, 1919
Watertown	Machinists	Jan. 13, 1919	35	Jan. 25, 1919
Watertown	Air brake employees	Mar. 3, 1919	560	Mar. 12, 1919

* Intervention after period covered by report.

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FROM JULY 1, 1918, TO JUNE 30, 1919

Result of intervention	Result of strike
Conference refused.....	Strike lost
February 13, Bureau intervened in an endeavor to avert strike but was not successful. March 1st, conference arranged and settlement resulted. Agreement signed.....	Strike won
Conference arranged; settlement resulted.....	Compromise
Conference arranged; no settlement resulted.....	Strike lost
Conference arranged; settlement resulted.....	Strike won
Conference arranged; settlement resulted.....	Compromise
Conference arranged; settlement resulted.....	Strike won
Conference with State Engineer.....	Strike averted
On July 1st strike was still on — intervention after this date and public investigation result will be shown in report of 1920..	Strike won
On July 1st strike was still on — intervention after this date and public investigation result will be shown in report of 1920..	Strike won
Conference refused before July 1st, 1919. Result of intervention after July 1st resulting in settlement will be shown in 1920 report.....	Compromise
Conference arranged; settlement resulted.....	Compromise
Endeavored to arrange conference — unsuccessful; matter was referred to National War Labor Board.....	Strike lost
Conference arranged; settlement resulted.....	Strike won
Conference refused.....	Strike lost
Conference refused.....	Strike won
Intervention took place after the period covered by this report and result will be shown in report of 1920.....	Strike lost
Conference arranged; explanation given.....	Strike averted
Conference refused.....	Strike lost
Conference refused.....	Strike lost
Effort to arrange conference was not successful.....	Strike lost
Conference arranged; mediator selected as arbitrator but settlement was reached without arbitration.....	Compromise
Conference arranged.....	Strike lost
Conference arranged; proposed settlement rejected. Conference adjourned for a week when suggestion was accepted	Compromise
Conference arranged; settlement secured.....	Strike won
Conference refused.....	Strike lost
Employer stated at interview that he would not consider demands of the men; later employer settled direct with the men.....	Strike won
Unable to arrange conference; matter submitted to Federal mediator.....	Strike lost

PART V

**REPORT OF BUREAU OF STATISTICS AND
INFORMATION**

[193]

REPORT OF CHIEF STATISTICIAN

IN CHARGE OF BUREAU OF STATISTICS AND INFORMATION

To the Industrial Commission:

In conformity with your direction and with section 46 of the Labor Law, which requires "in each year a report of the operation of each bureau in the department," I submit the following report, in which I have endeavored both to set forth briefly the work done during the year ended June 30, 1919, and to point out developments, status at the end of the year, and future prospects or needs.

THE LABOR MARKET BULLETIN

This bulletin is issued monthly. Each issue comprises eight pages (size 8½ x 11), including two pages of text analysis, four pages of statistical tables (eight in number) and two full page charts. This bulletin furnishes information each month as to amount of employment and average weekly earnings in manufacturing industries, course of retail food prices, building activity in principal cities, and labor supply and demand at public employment offices. The preparation of it requires each month the collection and tabulation of reports as to total employees and wages from 1,648 representative factories having nearly 600,000 employees and weekly payrolls of over \$14,000,000; collection and tabulation of reports of cost of building work authorized in first and second class cities, and preparation of a summary of reports from public employment offices. In addition to the bulletin itself, two advance press summaries are issued each month, one on employment and one on earnings in factories, these summaries going out directly from this Bureau.

The reports from factories used for the Labor Market Bulletin are practically the same as reports collected throughout the country by the United States Bureau of Labor Statistics. By a co-operative arrangement with that Bureau, this Bureau collects the reports for both bureaus from those firms covered by both by furnishing the United States Bureau copies of the reports from New York State which it needs, thus relieving employers here of duplicate reporting of the same information.

The data relating to food prices in our bulletin are furnished by the United States Bureau of Labor Statistics, whose courtesy in this matter is here gratefully acknowledged.

The publication of the Labor Market Bulletin was begun in September of 1915, so that it is now in its fifth year.

In scope the Labor Market Bulletin remained the same at the close of this year as at the beginning. This does not mean that in its present compass it is fully adequate to meet the demand for the kind of information it furnishes. Its usefulness as it is now has been demonstrated by an increasing demand for it, and by the wide use made of it by all classes wherever information concerning employment, wages and cost of living is needed. But at the same time, the past year has brought an increasing inquiry, until it has now become a wide demand, for further information along the same lines. Taking these inquiries as an indicator of the developments needed in the Labor Market Bulletin it is clear that what is required is (1) more information as to wages and also data as to hours such as will make possible more comparison between different industries and localities to supplement the present statistics indicating mainly the trend of employment and earnings in individual industries; (2) information as to cost of living in the different industrial centers of New York State which shall cover other items in the family budget besides food, to supplement the present figures for retail food prices in the United States as a whole; (3) development of statistics of employment to cover industries not now covered and to afford information for individual localities and districts, as well as for the State as a whole as now, and if possible so as to afford a basis for forecasting conditions as well as recording past movements; and (4) effecting earlier publication of the figures for each month.

Of these several needed developments, aside from the last, the importance of which is always obvious, the two which the course of events in the last year particularly has most forcibly revealed as pressing needs are the first two, that is, more information as to wages and hours in different industries and localities, and as to cost of living. Not the least impressive feature of the demand

for such information is that it is wanted for very practical application to the problem of negotiating wages and hours in bargaining between employers and employees. One of the marked characteristics of such bargaining in recent times is the extent to which statistical evidence is appealed to by both sides, and the degree in which successful negotiations are dependent upon a clear determination of the facts by dependable statistics. One kind of evidence of that kind which has always been in demand in such cases is what wages or hours are in other industries or localities, but owing to more rapid changes of wages and hours in recent months such demand has increased. The other class of facts wanted, as above indicated, concerns cost of living. This has now acquired an unprecedented prominence because of the recent rapid rise in the cost of living which has led the wage earner to insist on readjustment of money wages at least sufficient to keep pace with the rising cost of living, a position which has received the support of the enlightened sentiment of society at large, which recognizes that a lowering of the standard of living of wage earners can only mean damage to society as a whole.

Now, in the degree to which questions of fact as to wages, hours or cost of living require to be determined in order to promote peaceful collective bargaining, to settle disputes or insure justice in industrial relations, it is obvious that there is an opportunity for important public service before this Bureau, and because the furnishing of such information is precisely the function of this Bureau and can better be performed by such a State office than by any other agency, there is a duty as well. It is for this reason that I am calling attention here to the need of developing the Labor Market Bulletin in this particular direction. Such development depends purely and simply upon additional resources with which to do the necessary additional work. Accordingly in my budget recommendations for this Bureau for 1920-21 I included requests for a few additional employees for this particular purpose, requiring altogether an increase of \$11,000 in this Bureau's budget. This has already been approved by the Commission and for the reasons above set forth it is greatly to be hoped that this modest enlargement of resources will be granted

by the Legislature. If it be allowed it will assure a substantial increase in one of the most useful lines of service which this Bureau can and should render in this State, and will enable it to answer more often the many requests for that kind of information, now more numerous than ever before, with a publication or memorandum that will meet the need of the place and time, instead of, as is now too often necessary, with a regretful reply that the information cannot be furnished.

STATISTICS OF INDUSTRIAL ACCIDENTS

The work of tabulating statistics of accidents was carried forward during the past year as previously along the lines of the standard classifications and table forms which have been adopted by the Committee on Statistics of the International Association of Industrial Accident Boards and Commissions (and in the formulation of which this Bureau has actively participated), so far as the circumstances of the work in this State permit.

The work of accident tabulation has thus far been carried on as follows: All reports and original records concerning accidents are made under the Compensation Law to or by the Bureau of Workmen's Compensation in connection with the process of adjudicating compensation to injured employees. After cases are "closed" by that Bureau, that is, closed so far as any further adjudication of compensation is concerned, the records are turned over to this Bureau for the purpose of extracting the necessary statistical data therefrom. The procedure in this Bureau involves first the entrance on a "digest" form of the various items of information about each accident either by direct copying from the records or by assignment of code numbers which classify certain items. From this digest a Hollerith tabulating card is punched, and then with the aid of mechanical sorting and tabulating machines the basic tabulations are made up, the final stages being the preparation of summary tables, text analysis and summary results, and publication.

The accident and compensation records remain in the custody of this Bureau subject of course to recall by the Compensation Bureau when occasion arises for further or new action on any case. As time has gone on and these records have accumulated

there has been added to the work of this Bureau, entirely aside from its own statistical work, a large task of sorting and filing of this material and return of documents to the various offices of the Compensation Bureau as called for. At present there are in this Bureau's custody the records for some 175,000 compensated accidents and many hundreds of thousands of records for noncompensated cases.

It is a matter of some satisfaction, especially in view of the necessity of having to emphasize in previous annual reports the backwardness of the work on accident statistics, to be able to record here that during the past year one stage of the work as above outlined was brought practically up to date. At the close of the year the preparation of digests and punching of tabulating cards was for the first time brought up to the point of completion for all the records for compensated accidents which had reached this Bureau. The attainment of this milestone on what has so far been a "catching up" job (for reasons noted in former reports) brings into clearer view, however, some important considerations concerning this work which need to be kept in mind if we are to overtake the other milestones still ahead and finally attain most efficient and useful service in this work. These are as follows:

In the first place, it is still not within the range of possibilities to undertake any work on noncompensated accidents. This is a serious shortcoming in the New York service in this field which must ultimately be corrected if fully adequate information about industrial accidents is to be available. The attainment of that, however, should be placed second to making adequate the work on compensated cases.

In the second place, a discrepancy has developed between the different stages of work on compensated accidents which makes clear the need of a better balanced force for that work. The records on compensated cases received from the Compensation Bureau up to the close of the past year comprised practically all of those for the first three years and a considerable portion of those for the fourth year under the Compensation Law. As above noted the first two processes — digesting and card punch-

ing—are completed for all those years. But tabulations have been made only for the first year and part of the third, and no work of analysis and publication has yet been done for any year except some preliminary work on the first. This sharp contrast in the progress of the work on the first two processes as compared with the others, particularly the last two, should not, of course, exist, because the aim should always be to carry each year through to completion without delay so that information concerning its experience may be available at the earliest possible date. What is the reason? The answer is, on the one hand, that the work of digesting and card punching is largely routine clerical work while tabulating and particularly the work of analysis and preparation of results for publication requires trained statisticians, and on the other, that the force in the Division of Accidents, which handles this work, consists of a chief of division, twelve clerks and a stenographer, and that all supervision work has to be done by the division chief. Manifestly there is provision in a force of that composition for routine clerical operations but not for the more responsible and difficult work of analysis and presentation of results, which the head of the division is now prevented from undertaking by his numerous supervisory duties. That answer shows at the same time the cure, which is provision for that division of competent statisticians (at least two are needed) to carry forward the work now necessarily in arrears.

In the third place, the catching-up with the flow of records from the Compensation Bureau presents an occasion for calling attention to a more desirable method of making the records available for statistical work than that above noted as heretofore followed. It will be seen that under that method the records have been made available for statistical purposes by moving them bodily to this Bureau. To understand just what this means it is necessary to recall the geographical separation of the departmental offices in which the compensation work and the statistical work are done. The former (originally centered in Albany and New York) is now (since July 1, 1917) carried on in five district offices, namely, New York, Buffalo, Rochester, Syracuse and Albany; whereas all the statistical work up to the past year has been located at Albany. The alternative to transfer of records

to this Bureau is to have the first step in the statistical work, that is, the making of the statistical digests done at each office where the compensation work is done, leaving the records permanently in the hands of the Compensation Bureau. Experience has shown that that is the really correct method because most economical of time and labor. As compared with the other method it would eliminate all of the following waste: (1) time required for packing and shipping of records by the Compensation Bureau; (2) time elapsing between shipments because it has not seemed practicable to ship cases currently as soon as they reach the "closed" stage but only at intervals after considerable numbers have accumulated; (3) time required in unpacking, sorting, filing and returning individual cases as called for by the different Compensation Bureau offices (see reference to this above); (4) time required in checking up and referring back to the other offices in order to make certain of complete files for a given year, this last being by no means the least important of the four. Altogether the losses of this kind have been a very serious handicap on the statistical work, and in addition have not been most economical for the Compensation Bureau. The unsatisfactoriness of the plan of transfer of records to this Bureau was recognized before the beginning of the past year. Originally adopted in 1915 as the only feasible one of the time, its shortcomings became more apparent as records accumulated and still more so during 1917-18, when the number of district compensation offices was increased from two to five. Accordingly at the beginning of the past year it was determined that a change to the correct procedure, above indicated, should be made as soon as possible, and during this year a first step in that direction was taken. This was the transfer of the work of preparing digests from Albany to the New York office of this Bureau on cases in the fifth year. This was done without any certainty that there was sufficient force in this Bureau there to carry such additional work, but on the principle that a beginning, at least, under the right plan could be made. The experience of the year has, as a matter of fact, served to demonstrate that an increase of force must be secured for the New York office of this Bureau in order to achieve in full the advantages of the change. With the

Bureau's accident work already in Albany no change was necessary in that office. In Buffalo, Rochester and Syracuse this Bureau has no office, so that the change could not be inaugurated there. Neither for those offices nor for New York was it feasible to transfer help from Albany, because, as a matter of fact, the Albany force was still required to complete work on the years prior to the fifth, and will always be required there for work which should always be done there.

The foregoing indicates that the situation on this matter at the close of the year was that a change to a far more economical and effective procedure, started and carried as far as possible during the year, awaited only an increase of force available for offices outside of Albany for its completion. But better than that can be said for the situation for the reason that chapter 629 of the Laws of 1919 provided for the very increase of force needed to carry out the change during the coming year, as explained below.

There is one further feature of the work in accident statistics to be noted in reviewing the past year. Under the method of procedure above outlined the statistics which can be prepared by this Bureau are dependent as to scope and accuracy upon what is afforded by the records as they come to this Bureau. In last year's annual report it was pointed out that these records have been seriously defective, so much so as to preclude the compilation of some of the most valuable statistics. It has also been repeatedly pointed out in previous reports that this line of work has always suffered under the handicap of an inadequate force to produce as fully or as promptly as it should such statistics as the records do afford the material for. In contrast to such a discouraging situation is a more hopeful prospect for the future which has developed during the past year. This prospect is opened by chapter 629 of the Laws of 1919. That law was enacted primarily to correct certain evils in connection with so-called direct settlements under the Compensation Law, which had been brought to light by a special investigation of a Moreland Act commissioner. The main question with which that investigation was concerned was whether under the existing direct settlement provisions of law injured employees were being properly

compensated or not, but in connection therewith the fact was brought out and emphasized in the report that in direct settlement cases the records were very incomplete, so much so as to have made it impossible to carry out some of the most important statistical tabulations which had been planned.*

Chapter 629 did two things of important significance with relation to statistics of accidents. In the first place it prescribed that in all compensation cases there must be filed with the Industrial Commission within sixteen days after the last compensation payment is made or due a report of the period for which compensation has been paid and the total amount paid. This requirement, it will be seen, if enforced, should insure in the future full information as to extent of disability and amount of compensation paid which are precisely the two most important items on which the records have heretofore been most seriously incomplete. In the second place chapter 629 made a special appropriation of \$12,000 available for the coming year for the work of this Bureau on accident statistics. The grounds on which such an increase of funds was asked were two, first, the fact that even with the work restricted to what has been possible with the records as they have been the resources of the Bureau have never been adequate to do the work as it should be done, and second, that if complete records were to be assured for the future there would be an increased amount of statistical work to be done.

While chronicling this improved prospect for more adequate service in accident statistics there is, in looking toward the future, one important point to be emphasized at this time. That is, the necessity that the increase in resources for such work, assured by chapter 629 only up to June 30, 1920, be made permanent after that date. The additional work it provides for as indicated above is not temporary in character, but a necessary expansion of a permanent program of work which in its very nature must be continuous from year to year. Accordingly for 1920-21 this additional \$12,000 is incorporated in the regular budget requests for this Bureau, and what I here emphasize is that it must remain there in the coming appropriations unless

* See Preliminary Report to the Governor by J. F. Connor, Moreland Act Commissioner, under date of March 26, pp. 6-8.

the prospect for more adequate service in accident statistics at present assured only for 1919-20 shall prove to be only a temporary opportunity for improvement, in which case it will be of little account.

SPECIAL INVESTIGATION OF WOMEN'S EARNINGS

This investigation was made to afford dependable information as to what women's earnings actually were in certain leading women-employing industries, with the special purpose in view of contributing material useful on questions of fact in connection with the subject of minimum wage legislation. The results of the investigation were published in February and proved useful in discussions of bills before the Legislature last winter. The investigation covered 623 establishments employing 61,160 women, including 417 factories with 32,881 women and 206 mercantile establishments employing 28,279 women. The report of the investigation was published in Special Bulletin No. 92.

PLAN FOR SHOP SAFETY ORGANIZATION

During the year work was completed on the formulation of a standard plan or outline for shop safety, sanitation and health organization and such a plan was published as Special Bulletin No. 91. The purpose and method of preparation of this plan were set forth in last year's annual report (p. 185). The promise of success for this piece of work, forecasted at that time, was fully realized upon publication of the bulletin as shown by the wide demand for it and favorable comments upon it. When some of the most prominent organizations in the country interested in industrial safety make request to be supplied with such a publication, not in single copies but in lots running into the scores and hundreds, which is what occurred with Bulletin 91, it is sufficient proof that the publication has been widely useful in a practical way.

In connection with the foregoing as to Bulletin 91 attention is again called to the opportunity for, and need of, more systematic work of the same sort, as indicated in the annual reports for 1917 (p. 194) and 1918 (p. 185). In those reports

information service relating only to methods of accident prevention are referred to. The same kind of service should of course be developed for other subjects, particularly just at this time in the field of industrial relations and methods of promoting closer and more cordial relations between employers and employees. To develop that kind of service is practically made the duty of this Bureau by section 64 of the Labor Law, but here again I must point out that such a development must await additional resources with which to do the work, which lends point to the budget request, which the Commission has approved, for an addition of \$3,000 to the funds for work in the Division of Special Investigations of this Bureau in which Bulletin 91 was prepared.

ANNOTATED LAWS AND COURT DECISIONS

During the past year this Bureau issued five publications which have become established as regular annual publications and the usefulness of which is perhaps obvious, or if not obvious, has been amply demonstrated by the demand for them. One of these is a bulletin containing a summary and the texts of all laws (including details of changes made in existing statutes) relating to labor enacted at the annual session of the Legislature. This year's edition of this publication was issued as Special Bulletin No. 94. The other four publications above noted were annotated editions of the Labor Law, Workmen's Compensation Law, Industrial Code, and Miscellaneous Labor Laws. Some idea of the work involved in the verification of texts, preparation of annotations and very full indexes, editing for printing, and proof reading, all of which are done in this Bureau, may be gathered from the fact that the four publications of the past year comprised a total of 609 pages in eight and six point type.

During the year there were in course of preparation two bulletins of information concerning court decisions under the two laws administered by this Department. One of these is in succession to former Special Bulletins 81 and 87, and will bring down to date digests and texts of decisions relating to subjects other than constitutionality and coverage, being supplementary to No. 87, which related to constitutionality and coverage. This

new bulletin was approaching completion at the close of the year. The other bulletin will cover decisions, so far as important, interpreting the Labor Law, and is planned to present such cases from the date of a similar bulletin (Special Bulletin No. 70) issued in 1915. The long period between that bulletin and the new one here referred to has been unfortunate, but has been unavoidable owing to lack of help to carry forward this work in addition to that required for the bulletins on Compensation Law decisions for which there has been a much more pressing demand and need. There should, however, be an annual bulletin in each series, and this is to be aimed at hereafter, the achievement of this aim, however, being entirely a matter of the necessary help to do the work. In case of the Compensation Law decisions there should also be developed as soon as it can be accomplished, systematic publication of digests of court decisions and also decisions of the Industrial Commission, at more frequent intervals (monthly if possible) along the lines of the present annual bulletins.

A minor, though substantial, service now being rendered by this Bureau, along the line of the suggested earlier information service concerning court decisions in the last paragraph, should be mentioned in this connection. This is the furnishing of advance proofs of compensation law court decisions to the officials of the department handling compensation cases, at the earliest possible moment, through an arrangement with the Attorney-General's office by which a number of advance proof copies are handed to this Bureau as soon as they are run off after composition for printing in the court reports. Public acknowledgment is here made of the Attorney-General's courtesy to this department in this way.

PUBLICATION OF PROCEEDINGS OF ANNUAL SAFETY CONGRESS

This Bureau edits (including preparation for printing and proofreading) and publishes each year the proceedings of the annual safety congress inaugurated by this Commission in 1916 and continued since under its auspices. The proceedings of the third congress issued during the past year comprised 225 pages. The publication of these proceedings make available in permanent form the papers and discussions of the congress and are

thus a substantial contribution to the literature relating to industrial safety and related subjects.

It is here suggested that it is obviously desirable that these proceedings should be issued as soon as possible after the congress, which is held in the first week of December. For some reason beyond the control of this Bureau a considerable period has heretofore always elapsed before the necessary copies of papers and minutes of discussions reach this Bureau, after which a considerable period is necessarily required for editing and printing. It is urged, therefore, that steps be taken, if possible, to insure earliest possible transmission of the documents.

EDITING OF ANNUAL REPORT AND BULLETINS

A part of the work of this Bureau each year is the editing for printing, including proofreading, of the annual report of the Department. The last report (for 1918) consisted only of a collection of separate individual reports by the several bureau or division heads, making altogether 304 pages. These individual reports after consideration by the Commission are transmitted to this Bureau to be assembled and prepared for printing. Similar editing and proofreading is done by this Bureau on Special Bulletins prepared by other bureaus. Two such, Nos. 89 and 90, were so handled during the past year.

REFERENCE AND RESEARCH WORK

A distinct and important branch of the work of this Bureau, as of any agency of similar character, is the furnishing of information verbally or by correspondence in response to requests for data not precisely such as can be furnished in published form but which can be supplied from materials in the possession of the Bureau or for which inquirers can be referred to other known sources. Large numbers of such requests are constantly coming to this Bureau. It is the Bureau's policy to respond to all such requests to the extent of its resources on the principle that all questions relating to subjects coming within the purview of this Department or relating to labor and industry should be answered either by information which we can furnish or by reference to other sources if there be such. To do this frequently requires

special statistical compilations, research work in the Bureau's extensive and valuable library, and preparation of more or less extended memoranda. Not a little time is required every year for this work and the amount of such is on the increase, being now larger than ever before.

TABULATION OF STATISTICS OF INSPECTION WORK

Each month statistics of inspection work are prepared covering all fields of activity (factory, mercantile, tenements, mines and quarries, tunnels and caissons, boilers and explosives, public work, and industrial hygiene) and the several kinds of activities in each field (inspections, orders, compliances, investigations, prosecutions, etc.). In part this material is compiled from summaries furnished by the Bureau of Inspection, but detailed original tabulations are made by this Bureau of children found illegally employed, women and minors found working illegal hours, violations of Day of Rest Law, orders and compliances, and prosecutions. These summary statistics are published in the monthly bulletin of the Commission. In addition a number of tables in manuscript showing details of some of the same material by inspection districts are furnished to the Bureau of Inspection each month.

Besides monthly statistics of inspection work there are prepared annually a series of tables (thirty-four in number this year) containing detailed statistics by subjects or localities similar to those in the monthly summaries and in addition a special tabulation of child labor certificates issued by boards of health for which a special canvas of health officers throughout the State is made by this Bureau, and a tabulation of occupational diseases reported under section 65 of the Labor Law. These annual tables, amounting to fifty pages of the report for 1918, are published in connection with the annual report of the Bureau of Inspection.

REPORTING OF OCCUPATIONAL DISEASES

Under section 65 of the Labor Law physicians are required to report to the Department any cases of certain occupational diseases coming to their attention. That section still stands in the article of the Labor Law relating to the organization and

functions of this Bureau. Accordingly such reports are still received here. With present resources all that can be done by this Bureau with such reports is simply to receive them, transmit copies of each one as received to the Division of Industrial Hygiene of the Bureau of Inspection, file them, keep physicians who send in reports, or who request forms, supplied with the standard report forms, and make an annual tabulation of reported cases which is published with other statistical tables, in the annual report of the Bureau of Inspection. This is not reported here as an adequate administration of that section of the law, but simply as a statement of what is being done, and all this Bureau finds it possible to do as things are now. In this connection attention is again called to a consideration of this subject and a recommendation in my annual report for 1917 (p. 184).

MAINTENANCE OF DEPARTMENT MAILING LIST

This covers all the work of keeping an up-to-date card index of all addresses on the Department mailing lists (except that for licensed tenement house bulletins), and of adding or amending and classifying addresses, including the cutting of addressing machine plates. Much checking up and considerable correspondence is necessary in order to insure continuing accuracy in the lists. As some indication of the amount of work involved in this care of mailing lists it may be noted that there are now about 11,500 addresses on all lists combined, arranged in seven different classifications and for four different series of publications.

SUPERVISION OF DISTRIBUTION OF DEPARTMENT PUBLICATIONS

In any review of the operation of the Bureau which shall include all of its activities it is necessary to note that, more or less inevitably because the maintenance of mailing lists is in its hands, it supervises the distribution of the following publications, not only to regular mailing lists but, to a considerable extent also, to the many others making individual requests: Special Bulletins, Labor Market Bulletins, Annual Report, Proceedings of Safety Congress, and the four annual pamphlets of laws. This work requires considerable attention, including in some cases a substantial amount of clerical work.

PARTICIPATION IN INTER-STATE STANDARDIZATION WORK

It is in order to mention, at least, as part of the service of this Bureau, that during the year it continued to actively assist in the promotion of inter-state standardization of work in accident statistics through representation on the Committee on Statistics and Insurance Cost of the International Association of Industrial Accident Boards and Commissions, of which committee the head of this Bureau is vice-chairman.

STANDARDIZATION OF SALARIES

In the foregoing report, as indicated at the outset, it has been the aim to point out what is necessary to insure that future work shall be carried on in a way adequate to the needs which such a service should meet, as well as to review the work done in the past year. Such, as it seems to me, should be the aim in such a report if it is to be of greatest usefulness both to this Commission and to the Legislature. In keeping with that aim there is one further general point to be noted if attention is to be called to all that is necessary to insure proper service in the future. That is the need of a better standardization of salaries in this Bureau. Such standardization should be in the direction of (1) providing more definite lines of promotion in different classes of work and (2) especially, providing sufficient salaries to attract and hold the kind of trained employees necessary to do the work efficiently. The experience of the last two years in losses of such employees by resignation to receive better salaries elsewhere, and failure of civil service examinations to attract sufficient candidates at salaries fixed at their present level years ago before the recent rise in cost of living, are sufficient proof of this need. That has been the experience particularly in the positions of chief of division, statistician, and expert. Incidentally the title of "expert," which of itself is devoid of significance as to kind of work, is used in this Bureau for positions in which research and editing work, as distinguished from purely statistical work, is done and for which special training is essential.

This subject was alluded to in my last report. As there pointed out, recent years have brought not only an increased demand for such a service as that of this Bureau, but at the same

time have brought more exacting standards as to the quality of such work, which is as it should be. If this Bureau is to keep up with the times in such work and carry on its service successfully, it is absolutely necessary that it shall have a sufficient force of employees with the necessary training for the work. Accordingly in the budget recently submitted for 1920-21, and which the Commission has approved, changes in salaries were recommended with a view to some standardization as here urged. It is much to be hoped that greatly needed progress in this direction may be secured in the appropriations for that year.

L. W. HATCH,
Chief Statistician.

PART VI
REPORT OF BUREAU OF EMPLOYMENT

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REPORT OF DIRECTOR
IN CHARGE OF BUREAU OF EMPLOYMENT

To the Industrial Commission:

The report of the Bureau of Employment for the year ended June 30, 1919, is herewith respectfully submitted.

REORGANIZATION OF THE STATE EMPLOYMENT BUREAU

During the first part of the fiscal year beginning July 1, 1918, Honorable Henry D. Sayer of the State Industrial Commission was not only Supervising Commissioner of the Bureau but also Federal Director of the United States Employment Service for the State of New York. He resigned as Federal Director on October 9, 1918. Mr. Charles B. Barnes was Director of the State Employment Bureau and at the same time Assistant Federal Director. He resigned his State connection on November 15, 1918.

The present Director in charge of the Bureau was appointed November 16, 1918. Before that time the Bureau was so blended with the United States Employment Service that it would be impossible to separate them and give any description of their individual activities.

With the resignation of Commissioner Sayer as Federal Director and the destruction of the dual authority which he possessed, because of his Federal and State status, and with the appointment of a Federal Director possessing no authority from the State of New York, it became necessary to reorganize the State Employment Bureau. With this in mind, the offices formerly maintained by the State were taken over by the Bureau and restored to their former mode of operation, as rapidly as it could be effected, without disturbing the efficiency of the system, which has been built up by Commissioner Sayer as Federal Director to manage the canvassing, placing and distribution of workers. To those employees who had remained faithful to the State through the period of Federal control were added a sufficient number to man the offices as adequately as the appropriations

would permit. The methods of administration which had proven to be wise and efficient and so successful through the years of State direction were restored with the idea that thereby the Bureau would win back the wide respect and authority it had deservedly enjoyed.

It was a matter of grave concern lest, in attempting this reorganization, the very great assistance to all war work that had been the result of Commissioner Sayer's labors should be interfered with, at least, until the time of the armistice. To avoid this, repeated conferences were held with the responsible heads of the United States Employment Service and absolute co-operation was promised and delivered by Commissioner Sayer and by the Director in the common attempt to solve the employment problems of the State.

The natural right to publicity for the many activities of the Bureau during this time was subordinated to the desire that no criticism be passed that the Bureau was engaging itself in any other task than that of aiding employers and employees and in doing its share to successfully prosecute the war. With the signing of the armistice and the moral certainty that final peace was a matter of but a short time, circumstances changed, in so far as there originated a state-wide belief that the State Employment Bureau should have full charge of the operation of any employment system within the State. First, the great problem of placing the large number of so-called munition makers was of grave concern and their distribution was the immediate task undertaken by the Bureau. Vacant positions had to be sought for many in the same trade that they had been following while others had to be induced to accept work different from that in which they had been engaged previous to the time they had entered factories making war material. These difficulties were surmounted and with the expansion of peace manufactures there came, within a few months, a real shortage of skilled workmen.

At the same time the problem of the returning soldier came to the fore. From public and private sources there came the insistent demand that he who had fought for his country should be translated into civil life with the least possible delay. While it seemed to be particularly a problem for those trained in

employment work, the welfare organizations could be called upon to very great advantage in seeking out particular vacancies for workers and directing workers to the proper offices. Consequently the State Employment Bureau joined the United Council for re-employment which consisted of representatives from the United States Employment Service, the State Employment Bureau and the large welfare organizations, such as the Jewish Welfare Board, the Red Cross, the War Camp Community Service, the Salvation Army, the Knights of Columbus, the Y. M. C. A. and the Y. W. C. A. It was decided at the first meeting of this Council that no organization would be featured in this work and to this policy the State Employment Bureau has adhered religiously.

Eventually the United Council, for the most part, restricted its activities to Greater New York and all work upstate was left in the hands of the State Bureau. In Greater New York all offices of the State Bureau and of the United States Employment Service were used for placement work while the various offices and huts of the welfare organizations were used as bureaus of information for returning soldiers. Members of these organizations were also supplied to the United Council and through them to the State and Federal services to be used as canvassers for positions. Eventually the diminution of the resources of the United States Employment Service rendered a change necessary in this work and it was decided to form a new organization embracing all the previous ones and having joined with it the Merchants' Association. At about the same time the War Department appointed a special aide, who appointed representatives throughout the State, presumably to co-operate with the existing plans and with committees engaged in solving this problem. At all times the State Bureau held steadfast to its first conclusion that it would join with all responsible organizations to make the way easy to the discharged soldier to return to employment and to attempt to find him suitable, congenial and profitable occupation.

No particular publicity was sought, for these efforts of the Bureau, if only because it was often difficult to agree with the theories, prognostications and guesses of those in the United

Council who sought the columns of the newspapers. We could not agree with the repeated interviews that there was a serious condition of unemployment in the State and careful investigation in all the industrial communities of the State confirmed this opinion. All businesses showed courage in facing the problems of peace and in providing for the needs and necessities and luxuries of the people. This resulted in a definite demand for workers which increased until, finally, it was generally conceded that, instead of a marked excess of labor, as had been widely advertised, there was an actual shortage, even though not great in extent or severe in nature.

In communities outside of New York city, the State offices were the focus of all work done in aiding the returning soldiers toward employment. The general scheme of combining the activities of all organizations, such as was attempted in the United Council, in New York city, was carried out with complete success up-state. The war chests, chambers of commerce, mayors' committees, welfare organizations and the State employment offices combined in general committees whose labors met with uniform success. The newspapers of Rochester, Syracuse and Buffalo united in testifying to the fact that in these cities there was no "soldier problem," and the campaign was equally successful in the other communities where the Bureau had charge. The daily newspapers were one in extending their columns, free of charge, for all publicity and advertising that might be of assistance, and this generous sacrifice, together with the uniform enthusiasm of business and labor to aid in every way, resulted in a speedy, quiet return of the soldiers to suitable and congenial occupation, with the exception of those men who, having had no training in a trade or profession before the war and having acquired but little special knowledge during their period of service, but stimulated by their experiences, demanded positions which they could not fill on account of lack of ability. Many of these men were formerly classed as unemployables and it is the policy of the Bureau to devote study and patience to the duty of placing these men in such congenial positions that they will eventually settle down to steady employment.

The forecast of peace that the signing of the armistice provided eventually led the Federal Government to cancel many contracts it had in the State and this precipitated a number of workers into unemployment. Further inclinations toward economy led Congress to hesitate to grant the request for appropriations made in behalf of the United States Employment Service. Eventually even the deficiency appropriation failed of passage and as a result it became necessary to close all except a few United States Employment Service offices in the State of New York on March 22. To cope with this emergency, Governor Smith sent a special message to the Legislature, requesting that it appropriate \$50,000 to enable the State Industrial Commission to take over such activities of the United States Employment Service as the Commission saw fit, and maintain them until June 30, 1919. The Legislature promptly acceded to this request and the Governor signed the bill on April 7. The slender resources of the United States Employment Services were concentrated in New York City and a certain few of these offices were kept open. All activities ceased outside of the city and, as a result, the State Employment Bureau immediately proceeded to organize, equip and maintain offices in Binghamton, Elmira, Schenectady, Utica, Watertown, Jamestown, Yonkers and Newburgh. Finally, it became evident that no congressional appropriation would be made for the Federal service and it was finally and definitely agreed upon that the United States Employment Service would virtually retire from New York City and arrangements were promptly made by the State Employment Bureau to establish such offices as it thought would be necessary to serve adequately the needs of industry in New York City. Instead of a multiplicity of offices such as had been established by the Federal system, and which was justified by the extreme shortage of labor and by the pressing demand for such labor, owing to the tremendous expansion of business resulting from our war preparations, it was decided to place in Manhattan an office at 58 Cooper Square for unskilled labor and a general office at 112 West 46th Street to handle all grades of skilled and professional labor. An additional office was also provided in the Bronx to serve that section of the city.

To ensure the permanence of the system as established by the Legislature under the special appropriation, Senator H. M. Sage introduced a bill, being chapter 501, Laws of 1919, carrying an appropriation for eight months beginning July 1, 1919, and based on an annual appropriation of \$275,000 additional to the general appropriation for the Bureau. This bill passed both houses and was signed by the Governor on May 12, 1919.

Some of the offices maintained by the United States Employment Service up-State had to be abandoned owing to the limited appropriation provided by the Legislature, but it is believed that the Bureau has placed offices where they can handle the maximum amount of employment considering our resources. Some sections and some cities will undoubtedly appeal for an office of the Bureau and it is extremely probable that many such appeals will be found warranted by the local conditions.

The greatest single difficulty in properly organizing the work of the State Employment Bureau, especially beginning with the rapid expansion necessary, due to the closing of the Federal employment service, was that of insufficient salaries. Responsible positions, entailing education or a wide experience in skilled trades, had to be offered to applicants receiving a far greater salary or wages in occupations they were following. Even the higher grades that were permitted in the emergency appropriation provided situations where an assistant superintendent in charge of a skilled labor division was receiving less than one-half the recompense he could receive, if he engaged in his own trade. No changes had been made in these grades since the Bureau had been founded and the bonus, though helpful, was not sufficient to meet the changed conditions in living and this in many cases could not be given to new appointees. Many appointments were accepted only because of the sacrifice that enthusiasm for the work led the applicants to make. While it is not the belief of the Director of this Bureau that the State should pay better salaries than are paid in corresponding positions by other employers, he believes that the salaries should at least equal those paid outside of the State employ. In a personnel of 194 employees, there have been 26 resignations, during a period of four months, due in each instance to the solicitation of these employees to abandon

their State positions and accept private employment at salaries at least 50 per cent higher than those they had been receiving. The inability of those in charge of the Bureau to prevent these resignations was due in many cases to the lack of budgetary funds to grant a moderate increase.

JUVENILE PLACEMENT BUREAU

The juvenile placement division expanded its activities during the year, principally in obtaining more publicity for its work through extensive canvassing of schools. It is impossible to measure the success of this division of the work of the State Employment Bureau by actual placements, since many cases present such an extensive problem as to involve study for a long time. The proper placement of the youth in suitable employment should be counted as a greater accomplishment, oftentimes, than the placement of an entire group of adults. More study has been devoted by the staff of the Bureau during the year to opening up new opportunities, and wider fields for training and education in industrial lines have been made available by contacts established with trade schools and with industrial organizations providing vestibule training.

FARM LABOR AGENTS

The farm labor recruiting organization was provided for by a special act of the Legislature assigning \$20,000 of the funds of the Food Commission to the State Industrial Commission to be expended by the Bureau of Employment in forming an organization of farm labor agents throughout the State. In accordance with this authority, farm labor agents were appointed to serve in offices of the State Employment Bureau in Brooklyn, Albany, Syracuse, Rochester, Buffalo, Binghamton, Jamestown and Watertown. Others were ordered to work in conjunction with the farm bureaus in Liberty, Mineola, Canton, Penn Yan, Batavia and a small recruiting office was established at 254 West 34th Street, New York City.

The duties of these agents were to ascertain the needs for farm labor of the community in which they served and for which they were held responsible and to attempt to satisfy those needs.

Publicity was sought for these efforts in newspaper articles and advertising and "farmer days" were set where groups of farm laborers were present in the offices to be interviewed by prospective employers. Through special advertising the New York office obtained many farm hands who were sent to Long Island and to the counties adjacent to the Hudson valley. Two agents of long experience with members of their sex, who devoted a year to similar work with the Women's Land Army, took charge of recruiting and distributing women workers for the seasonal demands coming from the berry and fruit growers and their labors met with marked success. In the northern and western parts of the State these same demands were handled directly through the farm labor agents or through the State employment offices. The superintendents of these offices supervised the work of the agents in their section and all the machinery and resources of the Bureau were at the call of the farming communities, to relieve the very great shortage of help from which they suffered throughout the year.

The appropriation expired on October 1. It is our belief that this was an error because it has been found that there is a very great demand for this class of labor from creameries and dairy farmers throughout the entire year, and this demand warrants the continuous services of farm labor agents as specialists with a full and practical knowledge of every requirement in this distinctive form of employment. These agents should be at the disposal of those needing them, if only because the last few years have taught us only too well how important and how necessary is a copious production of farm products and that, consequently, this care and concern should be taken away from the farmer. At the same time the man desiring to get work as a farm hand should not find it difficult to learn of an opportunity to obtain work of the nature he desires. These aims can be served only through a farm labor organization, consisting of agents, encouraged by permanent positions, to give all their time and energy to aid those in the country who desire work or help of this class and to those in the cities, who need the products of the farms. These agents should have fixed districts so that they may be known to these districts and that they may learn all the require-

ments of these sections under their care. They should be under the general direction and supervision of the State Employment Bureau so that they may avail themselves of its resources.

The times before and after the armistice have clearly indicated that the Bureau is of equal benefit to the community, be there a surplus or a shortage of labor. The highways and byways must be combed for workers when the need for them is urgent, but equally diligent, if not more so, must be the search for positions when men are idle. At all times the special function of the Bureau is that of selection and therein it completely justifies its maintenance by the State as a public good. The Bureau cannot simply match an order or an application with any applicant or applicants, but because of its traditions and because of its schoolings and teachings it must seek the best worker for the employer and the most suitable and congenial job for the worker. This is the aim it always has in view and must continue to have. The private employment agency rarely can afford to follow such a course and from immediate gain or lack of interest and public spirit must sacrifice quality to quantity. Such agencies have no place in a well-regulated State as their only interest is selfish and is based on pecuniary gain at the expense of the employer or of the employee or of both. Competition among such agents, as is invariably the rule, penalizes industry with unjust charges, reckless recruiting of unfit workers and as a result oftentimes is the basis of lack of sympathy and a source of irritation between the employer and the employee. Such agents have frequently no financial responsibility and many are of alien birth and have not availed themselves of the privilege of becoming citizens of this country. It is our belief that it would be wise legislation that would place them under the jurisdiction of the State Industrial Commission and would cause them to be registered annually, to pay a substantial license fee and would make them subject to such rules and regulations as would be deemed sufficient by the Commission to warrant the proper conduct of their business.

The future of the Bureau depends on its resources. These must be granted to it by the Legislature and by the Governor. In the last few months it has expanded its activities materially and already there are demands from communities it does not

serve, that it should give them its assistance to keep industry at its ideal condition—no idleness and a worker wherever one can be engaged. These demands should be satisfied as the prosperity of the whole State is marred and can be seriously threatened by the lack of prosperity of any part. The existing offices have amply justified themselves and the friends they have made among their patrons would resent a curtailment of their appropriations, but we must ask that the changed standard of living should be considered seriously and more substantial reward be given to those who have been faithful to their duties in the Bureau and desire to continue what they consider to be a most important and noble public service.

The Bureau has won the confidence and faith of many and is seeking by conscientious labors to win that of all. It seeks to be judged as worthy and eager to be the sole agent, acting between employers and workers, as the earnest well-wisher of both and as devoted to the good of the entire State it serves. To do this its appropriations should be liberal enough to permit it to retain all that it has gained and to enable it to extend its careful labors.

The Director desires to acknowledge the earnest cooperation and assistance, not only of the superintendents and staff of the various field offices, but likewise of his personal staff. In large measure the success of the work of reorganizing the Bureau and enlarging it has been due to the efforts and tireless work of the State inspector of employment offices, Mr. Edward H. Goodrich, the placement secretary, Mr. Kingman Waterhouse and the assistant to the director, Miss Edna La Rose.

The statistical table which follows represents the activities of the Bureau from December 1, 1918, to June 30, 1919, which is the period of the fiscal year when the respective offices were operated under the exclusive direction of the New York State Industrial Commission.

DAVID S. FLYNN,

Director, Bureau of Employment.

PERSONS SEEKING WORK, WORKERS CALLED FOR, AND PLACES REPORTED FILLED AT NEW YORK STATE PUBLIC EMPLOYMENT OFFICES, IN SEVEN MONTHS, DECEMBER, 1918-JUNE, 1919

LOCATION OR NAME OF OFFICE	WORKERS SEEKING EMPLOYMENT			WORKERS CALLED FOR BY EMPLOYERS			PLACES REPORTED FILLED		
	Males	Females	Total	Males	Females	Total	Males	Females	Total
New York City (Bronx).....	1,646	851	2,497	2,060	2,251	4,311	925	*1,076	2,001
New York City (Brooklyn).....	7,997	3,042	11,039	12,086	11,090	23,176	5,779	*4,952	10,731
New York City (Manhattan, Negro Division).....	4,797	3,153	7,950	9,989	3,215	13,204	2,977	1,992	2,969
New York City (Manhattan, Child Welfare Bureau).....	5,240	1,004	6,244	3,685	1,122	4,807	2,277	377	2,654
Albany.....	4,987	1,872	6,859	4,194	3,361	7,555	2,889	1,717	4,606
Binghamton.....	2,606	981	3,587	2,101	839	2,940	1,418	597	2,015
Buffalo.....	10,110	2,184	12,294	9,161	4,805	13,966	5,641	*4,170	9,711
Elmira.....	1,054	269	1,323	819	277	1,096	317	115	432
Jamestown.....	621	149	770	601	333	934	266	108	374
Rochester.....	13,951	3,672	17,623	10,682	7,461	18,143	6,502	*4,107	10,609
Schenectady.....	2,889	345	3,234	2,216	459	2,675	1,883	306	2,188
Syracuse.....	7,682	2,361	10,073	8,636	4,347	12,983	5,871	*2,609	8,480
Total.....	63,580	19,913	83,493	66,220	39,560	105,780	34,645	22,125	56,770

* A number of these workers had applied to the United States Employment Service for positions prior to the time that the State assumed jurisdiction at this employment office. Hence the excess of placements over registrations.

NOTE.—Operation of employment offices was resumed or begun by the New York State Bureau of Employment as follows: At Brooklyn, Albany, Buffalo, Rochester, Syracuse, and the Negro Division (Manhattan) on December 1, 1918; at Bronx, Binghamton, Elmira, Jamestown, and Schenectady on April 1, 1919; the Child Welfare Bureau, New York City, on May 1, 1919. Previous to the above dates these offices were under the direction of the United States Employment Service. The figures presented in the table are for the period that the respective offices have been operated under the direction of the New York State Industrial Commission.

PART VII
REPORT OF BUREAU OF INDUSTRIES AND
IMMIGRATION

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REPORT OF CHIEF INVESTIGATOR

IN CHARGE OF BUREAU OF INDUSTRIES AND IMMIGRATION

To the Industrial Commission:

Beginning with the signing of the armistice the supervising protective work of the Bureau has increased enormously, while the staff, always inadequate, has been still further depleted. The statistical portion of this text relating to the New York situation as affected by the admission and departures compiled in the report of the Commissioner General of Immigration is not available at this writing, hence the analogy of cause and effect cannot be herewith submitted. There is, however, much to be considered in relation to the ultimate effects of the unrestricted admission of mental defectives and the consequent economic disaster that such neglect entails, and no pressure of industrial production or political expediency should suffice to ignore the fact that national efficiency can never grow out of neglect of the physical and mental condition of our foreign-born laboring classes.

The old time fallacy that "all men are born equal" with which civilization has been satiating its uneasy conscience for centuries, is as unjust and deluding to humanity as a mirage that lures the unwary traveler to destruction.

There can be no equality of opportunity in a struggle for existence between the fit and the unfit, the sane and the insane, the normal and the feeble-minded, the moral and the criminal, or the employable and the unemployable, with all of their immeasurable dissimilarities, and ever-increasing disabilities.

A State should know something about its population before the percentage of its civic dependents forces itself upon the public notice from purely economic causes, because a nation must regard itself in danger when its population consists of a large number of broken down and defective human beings.

In the State of New York for the past fifteen years about one-quarter of the entire budget has been spent for ministration to and care of dependents in the civic hospitals. New York State is at the present time struggling with the problem of ways and

means to finance its new legislation in the way of minimum salaries for school teachers, three platoon system for police and firemen, to say nothing of the loss of revenue from the excise tax. Add to these items the more recent expenditure of \$3,000,000 annually for the maintenance and care of its alien insane alone, and we may well ask ourselves "Where is the money coming from?"

The object of this paper will be to discuss our immigration problem from the standpoint of the established relationship of the indigent to heredity and to point out that through the admission of excludable alien stock an inequitable burden of unfit defective and criminal dependents is created that threatens the very fabric of our civic, social and national existence.

For many years the indiscriminate admission of excludable aliens into the country through the medium of inequitable and unenforceable bonds has created results which today impose a staggering financial burden on the State of New York, and what is of exceedingly more vital importance, an almost unsolvable social problem, because of the transmission of those human, inheritable traits that so positively beget an insane, imbecile, feeble-minded and criminal offspring in long and unbroken lines of descent.

An able bodied, physically fit, morally stable and mentally alert immigrant is an asset to our country. The value of such an alien increases as he becomes a producer and consumer. As a defective he becomes a liability; if he propagates his kind he may become a distinct danger and an economic burden of no mean proportions.

There is no matter of more vital importance to this nation than the character of the blood that we are bringing and have brought into it through immigration during the past decade.

For while the economic burden of caring for those aliens who reach our institutions is even now of enormous proportions, the chief danger to our national existence lies in the transmission of inheritable traits by the marriage and reproduction of borderline cases which remain at large. What folly for any government to admit such cases under any conditions! How can a nation be so blind to its future existence? In the case of New

York, with its three millions of alien residents, the obligation to correct and regulate this menace becomes an economic, social and moral duty of the State, the taxpayer, the individual and posterity itself.

The Federal Government has the sole authority to admit, deport or to accept bonds as security for the admission of otherwise excludable aliens; while at the same time it disclaims any future responsibility for such insane, imbecile, feeble-minded, diseased or public charge cases after they are released from Ellis Island. This evasion of responsibility has placed an exceptionally heavy burden upon the institutions of New York for the reason that this State annually receives for permanent future residence one-third of the total immigration into the United States, and about three-quarters of all excludable aliens admitted under bond. To illustrate, we will look backward for a period of six years.

During the year 1912 there were admitted by the immigration officials to the United States under bond 914 aliens of which 716 or 78.3 per cent were destined to the State of New York. In 1913 there were 678 so admitted of which 381 or 56.2 per cent were destined to New York. In 1914 of 905 so admitted 595 or 65.7 per cent entered New York. In 1915 of 1,874 there were 1,268 or 67.6 per cent; in 1916 of 2,264 there were 1,482 or 65.4 per cent, and in 1917 of 2,408 there were 1,681 or 69.8 per cent. Should we go back for the past thirty years the reason for the crucial financial situation of the present would not only be apparent but the effects on heredity could not be estimated in terms of money.

In August, 1914, the Federal Government suspended deportations to belligerent countries and as a result we have the following alarming facts to confront us:

August 1, 1914, to June 30, 1915.—Total of defective aliens admitted, 1,328, of which 388 were insane, 697 were excludable at time of entry, 76 had loathsome diseases and 34 were in bad physical condition.

July 1, 1915, to June 30, 1916.—Total, 856; insanity, 394; excludable at time of entry, 329; causes prior to landing, 832; loathsome diseases, 43.

July 1, 1916, to June 30, 1917.—Total, 697; insanity 346; excludable at time of entry, 201; causes prior to landing, 385; loathsome diseases, 20.

July 1, 1917, to June 30, 1918.—Total, 1,045; insanity, 595; excludable at time of entry, 215; causes prior to landing, 685; loathsome diseases, 56.

We have, therefore for the four years, 1914 to 1918, the astounding total of 3,923 excludable aliens who have been admitted and released. Of this number 1,723 were insane, 3,850 were excludable from other causes, and 195 were suffering from loathsome or dangerous diseases.

It has been demonstrated conclusively that the vast majority of dependent aliens in the State of New York are directly or indirectly chargeable to the iniquitous practice of admitting such prohibited classes under bond, but during the four years, 1914 to 1918, even this discretionary power was excluded and many of these were admitted on their own recognizance, which after all is as binding and effective as the other unenforceable method. The future of a nation thus fostering a broken down and defective population, either from eugenic causes or accident casualties, and with a gradually increasing percentage withdrawn from productive lines, is to be regarded with alarm.

The recognition of the necessity for the study of eugenics as a governmental function has never been seriously considered, but in the State of New York, groaning as it is under the ever-increasing cost of its public charges, this neglect is little short of criminal. While experiments in various municipalities have been conducted, with the hope that the feeble-minded could be trained to be self-supporting, in the majority of cases failure has resulted. It has been conclusively demonstrated that the feeble-minded child will remain feeble-minded, also it is true that insane tendencies are hereditary and that crime and pauperism are inheritable traits. The recognition of these facts demonstrates that if we are to retain our national stability an amendment must be read into the immigration laws of this country, providing for the mandatory exclusion of all unfit and defective aliens, and in fairness to the sound and the fit the expeditious deportation of all of those who have already become dependents within the five-

year period. In no other manner can we effectively safeguard "our lives, our liberty and our sacred honor." Far better an illiterate able-bodied alien whom we can instruct at little cost in time and money than a defective whose traits will be transmitted to posterity, either before he becomes a public burden, or who, though he escapes incarceration, will become a vastly greater menace by begetting his kind.

Experiments conducted and data collected by the Carnegie Station for Experimental Evolution demonstrates that the great majority of the feeble-minded spring from defective stock and, indeed, that the mating of certain classes of defectives will produce very definite types of offspring, as well as the indisputable fact that from degenerate communities spring forth a large proportion of the paupers, beggars, criminals and prostitutes that infest our cities.

While the subject of alien dependents in the civic institutions of New York has been treated exhaustively by many agencies, these investigators have, we believe, confined their reports to their own special field of endeavor, such as alien insane under the jurisdiction of the State Hospital Commission, the State Board of Charities, the State Superintendent of Prisons, and the Special Commission (municipal) on Alien Insane in Bellevue and Allied Hospitals. As an immigration problem, it, therefore, became the function of the writer to correlate the data compiled by these various agencies and the result has engendered a very definite conviction that it is imperative to attack the problem at the source, and apply and utilize all of the scientific and governmental resources at our disposal to prevent the spread of a scourge more insidious than any of the exterminating plagues of history. A lack of consideration of the innate qualities of our immigrants is perhaps the greatest evil that threatens our civilization.

Scientists assert that it is probable in the case of a feeble-minded immigrant that all of his children, grandchildren and great-grandchildren will be feeble-minded because the feeble-minded cannot select a normal stock in which to marry; he will, therefore, marry another of his kind and under these circumstances all of his children will be defective. Thus communities are often created that beget beggars, prostitutes and criminals.

Investigations conducted by Dr. Davenport present ample illustrations, including the transmission of Huntington's Chorea through a series of families involving 900 persons, all of them afflicted with anti-social traits, which has been definitely traced to three brothers who came to New England in the seventeenth century.

Nearly always the preponderance of such strains as a result of consanguineous matings are concentrated, both as to traits and localities, and for the sake of illustrating the frightful danger to the future of New York State through the introduction of such defective aliens, it is permissible to quote as a matter of record that the cost of the "Juke" family and their descendants amounted to over a million seven hundred thousand dollars in 70 years, and that the "Nam" family has cost the state a million and a half during the same period of time. In Rhode Island there exists a whole colony of deaf-mutes, the result of consanguineous matings of defective and related strains.

These examples are perhaps extreme illustrations, but it is necessary to drive these incontrovertible facts into the public consciousness and to illustrate the utter recklessness that permits the admission into this country of feeble-minded, epileptic, insane and imbecile immigrants. Moreover, these cases point unerringly to the fact that it is the progeny of such "unfit" and "deportable" aliens who eventually reach the insane hospitals, almshouses and prisons of the State.

The State of New York has only 9.9 per cent of the total population of the United States, but it has 20.4 per cent of the total foreign-born white population and 16.7 per cent of the total insane in the United States.

Two years ago the population of Sing Sing prison numbered 1,400. Of this number 700 were Italians and 400 were Russian Jews. The cost of maintenance of alien prisoners in this State amounts to over a quarter of a million dollars each year, but of exceedingly greater importance is the cost of the propagation of these criminal strains. It is certain that many of these convicts were defectives at the time of admission and should never have been released into the country. In many instances aliens

have committed crimes within 24 hours after their arrival. A noted jurist in referring to a deportation recommendation states:

One —————, 17 years of age, recently out of the House of Refuge or City Reformatory, who has been indicted for taking a younger boy on the roof of a tenement house and shooting him in the legs, this day has been committed by me to the Manhattan State Hospital for the Insane. He has been insane or idiotic all of his life. He comes from Italy and should be deported. He has been committed to the Manhattan State Hospital for the Insane.

One —————, 21 years of age, a Greek, arrived in this country about a year and a half ago at the Port of New York. Within a month thereafter he was convicted before a City Magistrate in New York of vagrancy, and sentenced to three days in the workhouse. He has this day just pleaded guilty to attempted grand larceny in the second degree (picking pockets), and he is an undesirable person for this country.

If you can send him back to Greece, you would save his becoming a public charge. Please refer to my letter and see whether there is any possibility under the law of getting rid of a very undesirable person and relieving the State of a possible burden for the remainder of his life, by the present expenditure of a very small sum of money.

The defendant evades a truthful answer to the inquiry upon what ship he arrived.

So utterly callous have the Federal authorities become that they "dump" such criminal and defective aliens into the country and arbitrarily refuse even the names of those destined to New York State to the State department which under the mandatory provisions of the Labor Law is legally responsible for following them up. Such power for evil should never have been conferred on any one official; the abuse of such power through political pressure is too certain to occur. Discretion in a matter so vital should devolve only upon a commission of medical and scientific experts. From the ultimate effects of such laxity there can be no escape, and even at the present writing we must at once fight desperately and without cessation if we would conquer a plague that not only destroys a percentage of life and ultimately extinguishes itself, but that creates a form of life far more insidious in its potential possibilities.

It has been estimated that the proportion between the addition to our electorate, by reaching their majority, of persons born in this country and those who have been naturalized, indicates that "it is not greater than two to one and possibly closer to one to

one," and owing to the fact that the new stock has been proved to be more prolific than the old it is clear that the balance of power will soon be in the hands of the children of foreign-born parents or of persons of foreign extraction. All of which is significant in determining the powerful influence that may be brought to bear upon any political official having discretionary power in the admission of unfit and excludable aliens.

The United States is harboring a foreign population of 15,000,000 immigrants who are the parents of about 19,000,000 children, or one-third of its total population. Are they to gravitate into the debit or credit column of the nation? The chief economic value of immigrants has always been their labor; now, if that prolific blood is tainted it will most assuredly become a liability of no mean proportions, but if, on the contrary, it transmits virility as a nation we can count the invasion of the immigrant as a huge and ever growing asset both as to economic work and progenitiveness.

The first requirement for industrial efficiency in a laborer is health. The health of a laborer is of no less importance to an industry than the health of a soldier to an army; a physically unfit worker can only be an eventual expense to an industry with the results of slacking, lost motion turnover and scrapping materials all charged to that account.

In one of our largest mining and reducing industries recently inspected by the writer, an elaborately decorated gymnasium, ball field, tennis courts, skating rinks, etc., had been constructed under the direction of the so-called "welfare" manager, but the foreign-born laborers were at the same time sleeping in double shifts in vermin-infested three-tier bunks and many were suffering from loathsome and dangerous diseases.

In the State of New York during the period between 1914 and 1918 there occurred 1,099,053 industrial accident casualties, an average of 274,763 each year, resulting from many preventable causes and equaling in number in this one State the entire casualties of the American forces during the war. The aftermath of such human havoc will produce the same dire results as follows in the admission of such prohibited classes; the United States has, therefore, this additional liability to figure in its trial balance. With the productive capacity of a nation reduced, and its depend-

ent and defective classes multiplying, the tax upon its resources becomes inequitable.

If immigration should remain at a standstill we still have in the country 35,000,000 foreign-born, including their children, and it behooves us to examine into the quality of the blood that is to be introduced into our nation in the future, and to institute such legislation as is necessary to sterilize and eliminate their unsocial and defective traits, as well as encourage and prompt the mental, moral and physical efficiency of those who form the backbone of our greatness or our decline as a nation.

If, as some scientists assert, the human race has not improved very much in quality in the last hundred years, it behooves us to take most positive steps to prevent a decided retrogression during the next century.

Should these present day conditions continue, however, one can predict very accurately what will happen in the future. When the people of a race are lowered in their efficiency the death knell of such a nation has been sounded. History but repeats itself in this as in other events. Greece, Rome, and Egypt can credit their decline and downfall to a lowering of the quality of their men. Whether we as a nation can bring about any radical changes in our generation is problematical, but we have been for a quarter of a century the "dumping ground" of the world's defectives and this fact cannot fail to have a very detrimental effect on this nation so far as posterity is concerned if these conditions are permitted to continue. In 1912 a special committee reported that there were 7,000 feeble-minded children in the schools of New York, 30 per cent of whom were of alien extraction. Since that time the ungraded classes have multiplied, and reports of experiments conducted by institutions and reformatories are discouraging in so far as success in efforts to make such ungraded pupils either self-supporting or raise their moral standard as a class.

The State of New York has room for other millions of immigrants, whom it can well afford to protect and educate from an economic point of view, but the facilities for this very protection and education should not be restricted by an unnecessary and finally useless expenditure for maintenance of those who are unfit and who multiply their unfit progeny in such alarming proportions.

"Immigration is a matter over which the State has no control. It cannot regulate the conditions under which citizens of foreign countries enter the United States. It cannot impose mental tests upon immigrants, or examine into the sanity of those who seek to take up a residence within its borders. These are the duties and prerogatives of the federal government, and if the federal government fails to exclude the mentally afflicted, the State has no recourse except that which the federal government allows it."

With such a nucleus as this investigation indicates, and mindful from a eugenic point of view that the admission of even one feeble-minded represents evil possibilities for the generations to follow, it is obvious that a yearly succession of such releases, under bond or otherwise, is as grave in its possibilities as to call for immediate inquiry as to its justification, and drastic correction if unjustified. Even if the intention of the law permitted such discretion it would be a most unwise and dangerous practice from any point of view.

Among the many cases where whole colonies of defectives spring from a single ancestor we have as illustrations the "Ishmaelites" of Indiana, whose descendants are today intermarried with over 200 other families, who have begotten murderers, prostitutes and a large number of illegitimates.

In Kentucky there is the Owen family, from the original four children of which there have sprung, since about 1850, a total of 1,750 individuals. A record of 121 prostitutes is shown, together with a long criminal record and a number of murders, while in New York State we have the "Jukes" and the "Nam" family (see "Heredity in Relation to Eugenics," by Davenport).

Recent statistics show that before the war, in Germany, there were only five murders to each million of population; in England less than nine; while in the United States we had 118.

An eminent jurist of Massachusetts asserted that more murders are committed in this country in normal times than in any ten other civilized countries in the world, including Russia. Why? Can our Federal immigration authorities answer this question?

In 1914 the suicides in the United States numbered over 15,000. Why? Is it not because the defective and semi-defective offspring of our prohibited class of admissions are too neurotic to stand the strain of constantly increasing complexity of existence?

With the certainty of an exodus of emigrants reaching into the millions, those of hardy stock who remain must be educated and encouraged to adopt habits of health conservation and hygienic living that will increase their efficiency and their productivity and influence the character and quality of their offspring.

Such conditions must be squarely met. They are not theories, but well authenticated facts. They cannot be ignored. They brush aside all considerations of political aspiration, political ambition or political aggrandizement, and the policy of any individual or official who seeks for these reasons to evade the intent of the law by formulating superficial rules or regulations and assuming discretionary powers that the statute was never intended to confer should be unconditionally condemned.

The period of reconstruction after the war will develop other problems of vast importance, notably those created by the unprecedented emigration of our foreign-born laborers. Contingent with the preparation of this report the Reconstruction Commission appointed by the Governor of this State recommends the abolition of the Bureau of Industries and Immigration. The report of the New York State Commission of Immigration, as a result of whose investigation the Bureau was created in 1910, cites facts in connection with our State immigration problem that may well be studied with interest today. The evils that then prevailed and were so noticeably curbed by the activities of this Bureau have sprung up since the war has ended with renewed vigor, and the State of New York, unique in the nation in its political, social and economic problems remains the victim of a lack of political vision that year after year leads to the multiplication of its problems and the despair of its taxpayers.

The summary of activities attached hereto represent only the months subsequent to the signing of the armistice. Since July 1, 1919, the tide of immigrant travel has turned and at this writing thousands upon thousands of the outward bound are waiting for passage to Europe. Only the future can tell what the effect of this exodus may mean to our national productivity.

MARIAN K. CLARK,
Chief Investigator.

BUREAU ACTIVITIES

	Field	Office	Total
Advice and information.....	249	870	1,119
Banks and money transmission agencies.....	120	145	265
Docks, ferries and terminals.....	191	.....	191
Employment agencies.....	700	132	832
Frauds.....	74	1,090	1,164
Labor camps.....	408	244	652
Lodging houses.....	1,177	1,273	2,450
Lodging house licenses issued.....	.....	182	182
Porters, runners and expressmen.....	197	.....	197
Steamship ticket agencies.....	133	65	198
Wage claims.....	831	1,558	2,389
Miscellaneous.....	1,734	915	2,649
	<u>5,814</u>	<u>6,474</u>	<u>12,288</u>

CASE WORK

RECEIVED		DISPOSITION	
Banks.....	30	Closed.....	644
Employment agencies.....	81	Pending.....	329
Frauds.....	298	Referred to public authorities.....	23
Labor camps.....	70	Referred to private agencies.....	40
Miscellaneous.....	138		
Steamship ticket agencies.....	22	Total.....	<u>1,036</u>
Wages.....	348		
Cases pending beginning fiscal year.....	49		
Total.....	<u>1,036</u>		

LICENSING OF LODGING HOUSES

	FISCAL YEAR				
	1919	1918	1917	1916†	1915
Licenses issued.....	182	*191	135	135	202
Fees collected.....	\$1,740	\$1,470	\$1,575	\$1,145	\$1,725
Inspections.....	1,177	757	1,151	760	1,424
Letters written.....	1,273	891	‡	‡	‡
Rate cards issued.....	2,801	2,072	1,022	1,938	2,822

* Other licenses approved in this year numbered 344.

† This fiscal year consisted of nine months, ended June 30, 1916.

‡ Data not available.

MONEY SETTLEMENTS

Banks.....	\$337 02
Employment agencies.....	41 68
Frauds.....	352 00
Lawyers.....	432 00
Steamship ticket agencies.....	548 55
Wages.....	3,701 48
Miscellaneous.....	1,967 78
Total.....	<u>\$7,281 01</u>

PART VIII

REPORT OF BUREAU OF INDUSTRIAL CODE

[241]

REPORT OF DEPUTY COMMISSIONERS

IN CHARGE OF BUREAU OF INDUSTRIAL CODE

To the Industrial Commission:

We have the honor to submit herewith report of the activities of the Bureau of Industrial Code for the fiscal year ending June 30, 1919.

The Bureau has been occupied mainly in the preparation of rules which will be incorporated in the Industrial Code. This code now consists of 22 sets of rules, each set of rules published in bulletin form, in which are 537 rules relating to the following subjects:

- Bulletin 1 — Employment of women in canneries (rule 1).
2 — Enclosure of factory stairways (rule 2).
2 — Storage of combustible material about factory stairways (rule 3).
3 — Sanitation of cannery labor camps (rules 200-232).
4 — Sanitary code for bakeries and confectioneries (rules 300-347).
5 — Fire alarm signal systems of factories (rule 375).
6 — Existing fire escapes of factories (rule 380).
7 — Fireproof and fire-resisting material (factory construction and tests) (rules 500-513).
8 — Factory elevators and hoistways (rules 400-445).
9 — Sanitation of factories and mercantile establishments (rules 100-198).
10 — Equipment, maintenance and sanitation of foundries and employment of women in core rooms (rules 550-599).
11 — Milling industry and malt house elevators (rules 650-664).
12 — Removal of dust, gases and fumes from factories (rules 700-723).
13 — Fire escapes as means of exit (rule 4).
14 — Steam boilers in factories, mines, tunnels and quarries (rules 800-850).
15 — Smoking in factories (rule 15).
16 — Trough water closets (rule 10).
17 — Mines (rules 1000-1076); quarries (rules 1100-1122).
18 — Artificial lighting of factories and mercantile establishments (rule 50).
19 — Guarding of dangerous machinery, vats, pans and elevated runways (rules 875-920).
20 — Automatic sprinkler systems (rule 75).
21 — Window cleaning (rule 5).

All of the above codes were adopted prior to the period which this report covers, and are enumerated herein to give an idea of the many and varied industries, occupations and operations covered by the rules.

During the year there have been thirteen advisory committees at work in the preparation of rules to either formulate new sets of rules or to amend existing rules. Engaged in this work with us were one hundred and eighty-one persons, skilled workers,

superintendents, employers and experts in the industry or operation to which the rules particularly related.

The subjects under consideration at the present time, together with the number of members of each committee, is as follows:

	<i>Members</i>
Building operations.....	20
Compressed air.....	14
Fire drills.....	3
Inflammable and explosive materials, liquids and gases.....	13
Head and eye protection.....	14
Dangerous machinery.....	12
Elevators.....	14
Special trades and processes.....	17
Lighting.....	14
Mercantile establishments.....	24
Ventilation, temperature and humidity.....	13
Canneries.....	13
Boilers.....	10

The status of the various rules now in hand is herewith briefly set forth:

BUILDING OPERATIONS

The advisory committee appointed by the Commission to recommend rules relating to the erection, repair or demolition of buildings continued its work during this period, holding five meetings of the general committee, at which reports of the various sub-committees were received and considered and at the close of this period the rules had been received by the Commission and public hearings thereon had been ordered.

These tentative rules include complete specifications of ladders and scaffolds which will not alone serve the manufacturers of ladders, but will serve also as a guide for those who desire to construct their own ladders and scaffolds.

The proposed rules require the guarding of all floor openings, elevators and stair wells. Sanitary conveniences are required, the rules specifying the number and location. Hoisting apparatus is made the subject of one portion of the code.

As a safeguard against fires and accidents, the code contains rules which must be observed in the use of welding and cutting processes utilizing combustible gases, such as acetylene, hydrogen, carbo-hydrogen, Blau gas, and so forth, in connection with

oxygen. There is also set forth a list of suggestions for the transportation, storage and care of cylinders containing such gases.

All of the rules relating to building operations were recommended only after careful consideration by the committee, which was made up of representatives of building contractors and building tradesmen, insurance companies and safety engineers.

COMPRESSED AIR

The advisory committee appointed to recommend rules for the protection of persons employed in compressed air continued its work during the year and recommended a complete set of rules to the Commission. These proposed rules will be made the subject of public hearings, which will be held throughout the State.

The tentative rules specify the hours of labor which may be permitted at work in compressed air; the time required for proper decompression before returning to normal air; the handling and use of explosives in compressed air is also regulated; proper sanitation and ventilation is required as is also the installation of wash and rest rooms; and medical attendance is made a mandatory requirement.

These rules were recommended by a committee composed of representatives of contractors, compressed air workers and insurance companies; also serving on the committee were the tunnel engineer and physician of the Public Service Commission. The committee also had the services of the engineers, physicians and tunnel inspectors in the employ of this Commission.

FIRE DRILLS

For the purpose of formulating rules to carry into effect the provisions of section 83-a-2 of the Labor Law, which requires that fire drills be conducted in factory buildings, a special committee was appointed. This committee was made up of one deputy commissioner from this Bureau, one supervising inspector and the fire prevention engineer of the Commission.

The committee held many meetings and at the close of this period had recommended a complete set of rules, which we hope will be adopted after public hearings have been held.

INFLAMMABLE AND EXPLOSIVE MATERIALS, LIQUIDS AND GASES

The Bureau has been directed to formulate rules relating to the storage, handling and use of inflammable and explosive materials, liquids and gases, and at the close of the year the formation of an advisory committee to recommend such rules had not been completed.

Serving on this committee will be representatives of employers and employees, the chemical industry, the Board of Fire Underwriters, and the engineers in the employ of this Commission.

HEAD AND EYE PROTECTION

An advisory committee has been appointed to recommend rules for the protection of the head and eyes of industrial workers.

One meeting has been held and a subcommittee appointed to formulate a tentative set of rules. These rules will be comprehensive enough to include all operations where there is a head or eye hazard, such as chippers, riveters, calkers, etc., scaling and grinding, dipping and brush coating, handling acids, etc., sand-blasting, welding and furnace work.

DANGEROUS MACHINERY

To amplify the rules relating to dangerous machinery, which were adopted in 1918, the Commission has directed that another advisory committee be appointed for that purpose. The entire committee had not been appointed at the close of the year.

ELEVATORS

The proposed revision of and amendments to the rules for elevators, which were recommitted by the Commission to this Bureau for further revision, relative to the requirement of safety devices to prevent elevators from leaving a landing until the hoistway doors are closed and locked, to be made applicable to certain classes of existing buildings, as well as to all new buildings, has been given further consideration.

After a conference of the advisory committee with the first deputy commissioner, chief factory inspector, and the supervising inspectors, two meetings of the committee, several meetings and conferences of subcommittees, a further revision was formulated,

in accordance with instructions, and the rules resubmitted to the Commission, after which, public hearings were held in Buffalo, Rochester, Syracuse, Utica and New York City. The reliability and dependable operation of safety devices (interlocks and electric contacts) having been questioned at the public hearings, we were instructed by the Commission to make an inspection of such devices, now in use, and collect further data as to their reliability. An exhaustive examination and inspection has been ordered to be made and as soon as completed will be reported, after which we believe the rules will be ready for adoption.

SPECIAL TRADES AND PROCESSES

Considerable delay in the progress with these rules was occasioned by a change in the personnel of one of the subcommittees, made necessary by the removal from the State of one of its members and also because others of that subcommittee were so occupied with war work that they could not give it proper attention. Tentative rules have now been formulated for industries manufacturing white lead and oxide of lead, dry color and paint industries. After receipt of a report of an inspection and investigation of the thermometer industry, which has been ordered to be conducted by the Division of Industrial Hygiene, we shall finish rules for thermometer industries, and when rules for the prevention of anthrax are completed, this set of rules (special trades and processes) will be ready to submit to the Commission. Tentative rules for general chemical trades, for technical chemical trades, dyeing and cleaning establishments and for the manufacture of wood alcohol have been formulated. The work of this committee is necessarily consuming much time owing to the highly technical nature of the operations and processes of the chemical industries.

LIGHTING

Published as an appendix to these rules, which became effective July 1, 1918, was a tentative table of classified industries with minimum intensity requirements, which was to become mandatory on July 1, 1919, if after a year's trial and public hearings thereon it was found satisfactory. Although many light measurements and tests were made in factories and mercantile establish-

ments during the year, the committee decided that we did not have sufficient lighting data of all industries to make this table mandatory on July 1, 1919, so we recommended to the Commission that the table, with slight revision, be continued tentatively for a period of one year more, until July 1, 1920. The Division of Industrial Hygiene, in the meantime, will continue making tests and take further light measurements in factories and mercantile establishments and the table will be augmented and probably be made a part of these rules on July 1, 1920.

MERCANTILE ESTABLISHMENTS

An advisory committee was appointed for framing rules for mercantile establishments, and two meetings of the committee and several meetings of the subcommittees have been held. At the last meeting of the advisory committee a subcommittee presented a set of rules for existing buildings. After a full discussion it was decided to formulate rules for new buildings, after which rules for existing buildings will be considered, based on the requirements for new buildings. A subcommittee for that work was appointed and is now engaged in framing such rules.

VENTILATION, TEMPERATURE AND HUMIDITY

This Bureau has been instructed to formulate rules and regulations for ventilation, temperature and humidity, and is organizing an advisory committee to assist in that work. As soon as that is accomplished work will be started at once.

CANNERIES

The Commission in January of this year instructed us to submit names for appointment as members of an advisory committee, and when the canning season was on to visit such canneries as was felt necessary in order to acquaint ourselves with general conditions and collect data, with a view of revising the cannery labor camp code and to determine whether or not special rules for the canning industry are necessary. Such committee was organized and when the canneries are in operation an inspection will be made, as directed, and a report with such recommendations as the committee determines advisable will be transmitted to the Commission.

BOILERS

On June 18, 1919, an advisory committee was appointed to assist in revising our rules for the construction, installation, inspection and maintenance of steam boilers, and this Bureau received recommendations of a revision, arranged by this Commission's boiler inspectors' examining board. A meeting of this committee will be called at an early date and the work of revising these rules proceeded with at once.

VARIATIONS

The falling off of petitions for variation from the strict compliance with the provisions of the law and Industrial Code, which was referred to in our report for the year ended June 30, 1918, is still noticeable in the number of such petitions received during this year. There were 82 petitions filed, which is one more than was received during the same period of the previous year, and 123 less than were filed for the year which closed June 30, 1917.

To this Bureau is referred only those petitions for variation from the provisions of those sections of the Labor Law and Industrial Code rules which relate to new building construction.

The small number of petitions filed is due no doubt to the lack of building operations, although we have no data at hand which will show a comparison of the number of factory buildings erected during this year and in previous years, and can only judge by the number of petitions received, believing that the necessity for variation would still exist, were building operations carried on to a greater extent.

Of the 82 petitions received, 49 were granted, 16 denied, 11 withdrawn, 3 are pending, and it was found that in 3 cases action was not necessary. In each case a public hearing was held, advance notice of which was posted on a bulletin board reserved for that purpose. At the public hearings an opportunity was given for all interested parties to be heard, after which all of the testimony, correspondence and all available data was carefully considered and recommendations were made for final action.

APPROVALS

In March, 1919, there was established by the Commission on a board of approval, which was to investigate and pass upon all devices submitted for approval. The board consists of the supervising commissioner, the first deputy commissioner, the two deputy commissioners of the Bureau of Industrial Code, the mechanical engineer detailed to the Division of Industrial Hygiene, the safety engineer of the State Fund and the chief of the Bureau of Women in Industry.

This board takes over the work heretofore performed by this Bureau relating to the approval of devices and material, exclusive of material used in the construction of fire alarm signal systems, which material is still passed upon by the board of approval required by the provisions of Industrial Code Rule 375. (The board of approval as specified in Rule 375 passes only upon fire alarm signal system material.)

The work of the board of approval recently created is centered largely in this Bureau, both deputy commissioners being members of the board, and one is the secretary. All applications are, immediately upon receipt, referred to the secretary of the board, and thereafter the Bureau furnishes all necessary stenographic and clerical help required in the investigation of the device under consideration. All cases are kept on file in this Bureau. The board meets bi-weekly and to date has held nine meetings.

There were received during the year 68 petitions for approval, of which 26 were approved, 3 disapproved, 4 withdrawn and 35 are still pending. Among the articles approved are: clothing; fireproof material; machine guards; first aid kits; lighting fixtures; mechanical devices; and plumbing fixtures.

SAFETY CONGRESS

One of the most interesting features of the Industrial Safety Congress, held annually under the auspices of this Commission, is the "Safety Show" or exhibition of safety devices and sanitary appliances held in connection therewith.

Since 1916 the exhibition has been under the jurisdiction of this Bureau and each year has grown larger, more interesting

and instructive until it is now looked upon as one of the best exhibitions of this kind held in the country.

A brief description of the exhibition held December 2, 3, 4, 5, 1918, is herewith set forth:

The grand ballroom of the Onondaga Hotel at Syracuse, N. Y., with a floor area of 4,500 square feet, was used for the purpose of displaying the safety devices and sanitary appliances of the fifty-five exhibitors. The hall was divided into small booths around the walls and through the center were located racks of photographs and statistical charts of much value. There was also located in the hall the registration desk of the Congress, at which over 1,000 persons registered.

The construction of the booths, the display of the articles therein, the decoration of the hall and all other work incidental to the exhibition was under the supervision of this Bureau and all work necessary thereto was performed by help furnished by this department.

The following partial list of articles displayed at this show (some of them in operation) gives an idea of the comprehensiveness of this undertaking:

Machine guards; ladders and scaffolds; belt shifters; belt lacing; chemical toilets; safety treads; insurance data; gas masks; plumbing fixtures; goggles; first aid equipment; floor gratings; fireproof materials; fire extinguishers; overalls—male and female; fire fighting appliances; lung motors; safety cans; fire alarm signal systems; safety electric switches; respirators; safety signs, elevator safety appliances.

The total paid force of this Bureau remains as in former years, i. e., two deputy commissioners and two stenographers.

RICHARD J. CULLEN,

THOMAS C. EIPPER,

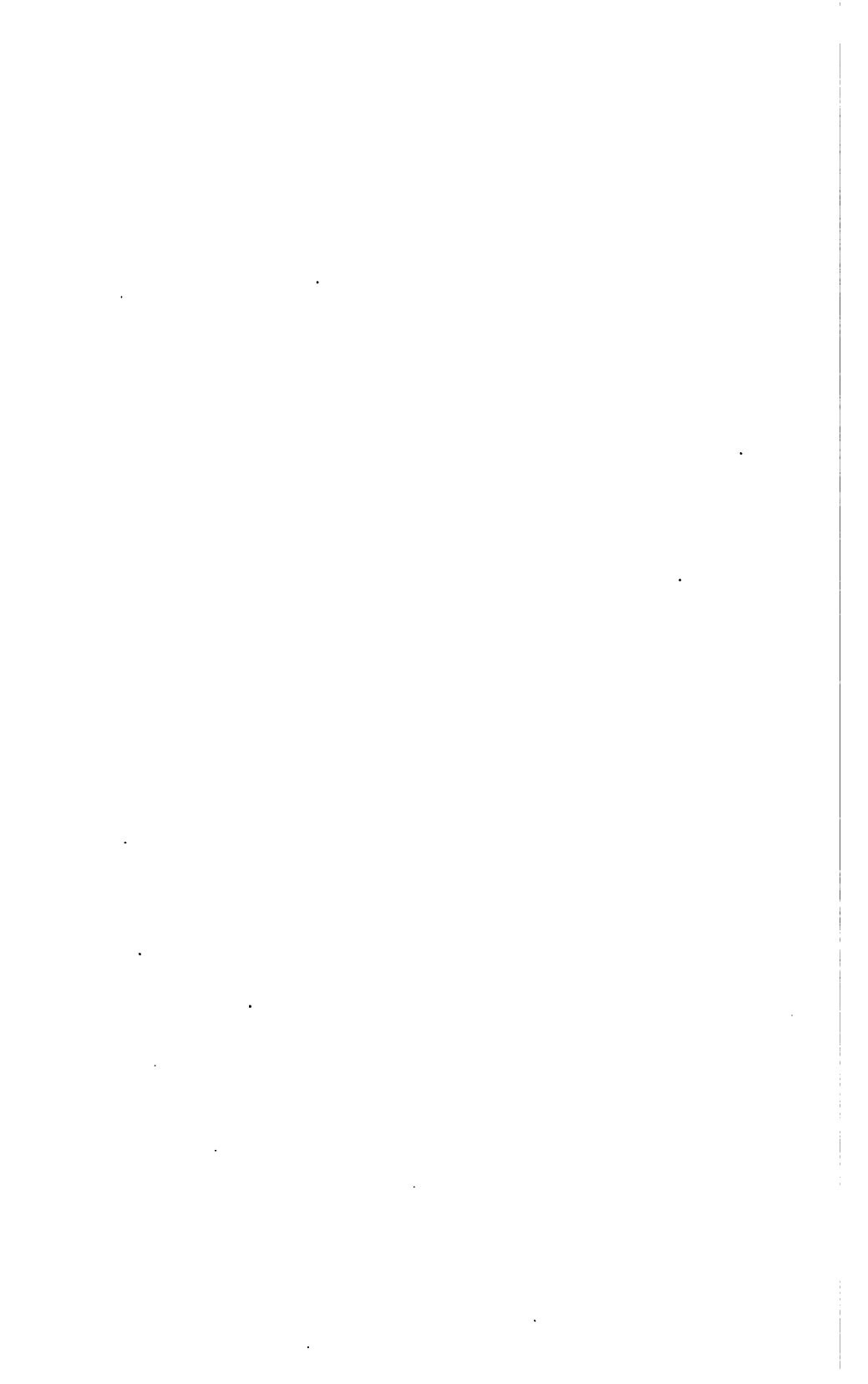
Deputy Commissioners.



PART IX

**REPORT OF BUREAU OF BOILERS AND
EXPLOSIVES**

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REPORT OF CHIEF ENGINEER

IN CHARGE OF BUREAU OF BOILERS AND EXPLOSIVES

To the Industrial Commission:

Pursuant to your instructions, I am herewith submitting a report of the Bureau of Boilers and Explosives for the period from July 1, 1918, to June 30, 1919, giving a financial statement of boiler and magazine fees received, also the work performed by the inspectors.

BOILER INSPECTION

Inspections.....	1,578
Investigations.....	3,098
Compliance visits.....	319
Tagging of boilers.....	21
Certificates issued.....	1,378
Collections.....	35
Orders issued.....	1,055
Orders complied.....	787
Boiler reports submitted by insurance companies, examined, checked and filed at this office.....	17,013

MAGAZINE INSPECTION

Inspections.....	580
Investigations.....	191
Compliance visits.....	24
Certificates issued.....	939
Orders issued.....	536
Orders complied.....	550

FINANCIAL

Boiler inspection fees.....	\$6,655
Magazine license fees.....	7,820
Total.....	\$14,475
Paid to State Treasurer.....	\$14,475

BOILER CODE

On October 5, 1916, an advisory committee was appointed to prepare a tentative boiler code. This committee comprised representatives of the boiler manufacturing interests, insurance companies, boiler users, labor interests and the Boiler Inspection Bureau of the Commission.

At the first meeting of the advisory committee, held at Buffalo on November 28, 1916, the Chief Engineer of this Bureau submitted for the consideration of the committee a proposed boiler

code which was prepared by him. During the year 1917 a number of meetings were held. Public hearings were also held at Buffalo, Rochester, Syracuse, Utica, Albany and New York. The public hearings were well attended by representatives of the manufacturing interests, boiler users and chambers of commerce, and at every meeting general approval of the proposed boiler code was expressed.

The rules contained in the proposed boiler code were adopted by the Industrial Commission in accordance with the requirements of section 51-a and 52 of the Labor Law. Rules 800-821 and paragraphs 378-409 became effective July 1, 1917, and paragraphs 1-377 and 410-430 became effective January 1, 1918.

Section 91 of the Labor Law requires that inspection reports of boilers insured and inspected by duly authorized insurance companies must be filed with the Industrial Commission. Rule 806-b requires that the insurance companies' inspectors who inspect steam boilers operated in this State shall hold certificates of competency issued by the Industrial Commission. Rule 807 provides that certificates of competency be issued to boiler inspectors of insurance companies after they have passed a written examination before a board of examiners which is composed of representatives of water tube boiler manufacturers, fire tube boiler manufacturers, duly authorized boiler insurance companies and a representative of each of the following labor interests: boilermakers, firemen and engineers.

BOILER LAW

At the last session of the Legislature a bill to amend the Boiler Law was unanimously passed by the Assembly and Senate, giving the Industrial Commission jurisdiction over the inspection of all boilers, in all classes and types of buildings, which generate a steam pressure of more than fifteen pounds to the square inch. This bill became a law on April 15, 1919, with the approval of the Governor, and is known as chapter 228, Laws of 1919. Previous to the enactment of this law the Industrial Commission had jurisdiction only over the inspection of steam boilers used for generating steam or heat for factory purposes which carried a steam pressure of ten pounds or more to the square inch.

The Chief Engineer of this Bureau and a number of experts representing boiler users and boiler manufacturers attended the hearings of the Senate and Assembly Committees on Labor and Industry and explained the provisions of the bill and the necessity for this legislation. No one appeared at these meetings in opposition to the bill.

PROPOSED REVISION OF THE BOILER CODE

Immediately after the passage of chapter 228, Laws of 1919, the Chief Engineer of this Bureau called a meeting of the Board of Examiners to act in an advisory capacity to recommend proposed changes in the Boiler Code so as to make it conform with chapter 228, Laws of 1919. The proposed changes to the Boiler Code have been submitted to the Industrial Commission.

BOILER EXPLOSIONS

During the year two boiler explosions occurred. On July 23, 1918, an economic boiler exploded at Arkville, Delaware county.

On June 20, 1919, a vertical tubular boiler, with 36-inch fire box and over thirty years old, exploded at Albany, Albany county.

No one was killed or injured by these explosions. The investigations of these explosions disclosed that they were caused by the neglect of the men in charge of the boilers.

GOOD RULES FOR MAINTENANCE AND OPERATION OF BOILERS

If a boiler in a battery that is in service has been out of use for a time sufficient to permit all parts of the setting to become cold, or if it is a new boiler, the following method of starting it up is recommended:

The stop valve between the gooseneck and the header should be tight; the drain pipes in the gooseneck and the drain valve underneath the non-return valve should be open; and the connection to the steam gauge should be open and in good condition.

Open the feed valve and fill boiler gradually until the water level stands between the first and second gauges of the boiler.

Start a very light wood fire in the furnace, and have the damper in the stack practically closed. The escape of smoke from the setting will indicate any air leaks, unclosed doors or other defects which are undesirable when a boiler is in service. If any such leaks are observed they should be corrected before going further; in case of a new boiler, or a boiler with new brickwork in the furnace, this preliminary heating should be continued for a day or two if possible before going further.

Continue the firing with gradual addition of coal, the damper being adjusted to the requirements until all the air is driven from the boiler, and steam is escaping from the proper channel.

A period of at least two hours should be occupied in bringing the steam pressure in the boiler up to the pressure in header; as stated above, if the boilers are new a much longer time should be taken.

While steam pressure is rising in the boiler the gate valves between the boiler and the steam main should be slowly opened. This leaves the boiler still shut off from the main by the non-return valves. When the pressure on the boiler has reached the required pressure the non-return valve will open automatically, placing the boiler in connection with the main steam system.

Before commencing heavy firing, corresponding to the service in the remainder of the battery, lift the lever on the safety valve to see that it is free to act, and observe at the earliest opportunity whether this valve lifts at the allowed pressure of the boiler or under that pressure.

At this time the stop valve in the boiler feed pipe near the feed main of the boiler house should be wide open, also the stop valve between the check valve and the boiler; the feed controlling valve should be adjusted by the water tender to an opening such as will provide the required water delivery.

The practice of checking fires by opening fire doors so as to permit an inrush of great quantities of cold air into the boiler setting and to the stack is bad from an economic standpoint, and subjects the boiler and setting to undesirably rapid changes of temperature.

Instead of this it is suggested that ash doors, or other draft supply, be closed, and that, if further checking is necessary, dampers be closed. Finally, if necessary, open fire doors gradually.

The bottom blow-off should be used at least once every twelve hours, the valves in the blow-off connections being left open for a period of one-half minute or longer, depending upon the character of the feed water supply.

A boiler should not be emptied before the setting has cooled.

If for any reason a boiler is to be taken out of service for cleaning, etc., the following procedure should be observed:

Check dampers and allow the fires to burn out, at which time the non-return valve will be seated; also close the gate valve in the branch next to the header and open the drains in the gooseneck.

Shut off the stop valves in the feed pipe.

Rapid cooling sets up undesirable strains in the equipment. Cool as slowly as time will permit. A small amount of air may be passed through the furnace to assist in the cooling. To do this open doors and dampers slightly.

After the boiler is cool the blow-off valves may be opened and the boiler drained.

If for any reason the boilers are to laid up indefinitely the following precautions should be taken to provide for safe conditions when boilers are again put into service:

Thoroughly drain the drums and tubes and clean them inside and outside. Then completely fill boiler and replace covers which have been removed. This method is not practicable when boilers could freeze. In such cases, after cleaning boilers dry them thoroughly and place a pan of lime in each drum to absorb moisture. Do not replace manhole covers. Some companies prefer

to clean and dry a boiler and then smear the inside of the drums and tubes with a heavy crude oil or fuel oil. This should be put on with a swab, and when putting this on in a drum an electric lamp should be used, and not an open torch. Drums and tubes should be left open. Mud drums, headers, and tube caps should all be cleaned and similarly coated.

In all places where freezing may occur, care should be taken to drain water from all parts or fittings, or, where these can not be drained (as in the case of steam gauges) they should be moved and stood in warm places.

The above assumes that the boiler is separated from the main header by two valves, a gate and a non-return. In case this condition does not exist, or if the valves leak, a blind flange must be inserted between the boiler and header.

The blow-off valves, stop valve in the gooseneck next to the steam header, and the stop valve in the feed pipe next to the feed header, should all be locked shut and the keys retained in the possession of the man in charge of the subsequent cleaning operations.

Manhole covers may be then removed and the boiler opened up for cleaning. It should be an invariable rule that the man who enters the boiler for the purpose of inspection, and who is in possession of the keys locking the above mentioned valves, must give the final assent for the return of the manhole covers to their places.

For locking the valves as advised above the following method is suggested: Make a loose cover for the hand wheel of the valve out of sheet steel. This cover is simply a circular box made in halves and hinged at one side, with a hole in the bottom of the valve stem. On the opposite side of the hinge an arrangement is made for attaching the lock, so that the box can be locked shut.

The cleaning of the setting of coal fired boilers should not be commenced until all the flue dust and other material, also the walls of the settings have been cooled to a temperature where there is no possibility of a man being burned by touching them.

If for any reason, such as blowing out of gaskets, vibration, over-straining of pipes or general deterioration, the joints of steam pipes develop objectionable leaks, the application of wrenches to bolts of such joints while under steam pressure should be absolutely prohibited. If such joints are to be repaired it should be done after the pressure has been removed from the particular section where the trouble occurs.

If the tubes of a fire tube boiler develop leaks at the tube sheet, expanders should not be applied to the ends of the tubes while the boiler is under steam pressure.

Rising stems of valves should not be permitted to become rusty or covered with dirt so that they can not be moved the full extent of their travel at any time. A periodic inspection, not less than once a month, of all valves, stems, etc., in all the main piping systems about the boiler house is recommended. Too much importance can not be attached to keeping the valves in such condition that they are always ready for use.

Great care should be exercised in using a wrench or bar in opening or closing a valve. The abuse of this means of facilitating the handling of valves may result in damage or accident to seats, threads, stems, etc.

Steam should always be admitted to empty piping very slowly.

If any portion of piping has remained unused for an hour or more it is important that it be completely drained before steam is again turned into it.

Water columns should be blown out completely at least twice every turn. If a gauge glass is fouled internally, so that the water level is not clear, the glass should be cleaned or replaced as soon as possible. If the fouling of the gauge glass occurs frequently, it is due to some characteristic of the water, such as suspended matter, scale solvents, lubricating oil, etc., for which some remedy should be advised.

Try-cocks shall be used at least twice every turn, which regular use will keep them in good working order.

Scale in boilers causes bulges, and ruptures of boiler shell, usually leading to explosions. Remove the scale frequently.

When a boiler is shut down for repairs or cleaning, the stop valves in main steam connection should be securely locked with a padlock. After the boiler is drained, the blow-off valve should also be padlocked.

Test each safety valve at least once a day to see that it is working properly.

Never exceed the safe working pressure allowed for each boiler as given on the inspection certificate.

The work of the Bureau was greatly hampered on account of five members of the force being called away by the government for war work, and the receipts were thereby materially reduced.

BOILER INSPECTION DIVISION

The work of this Bureau was very much increased by the amendment to the Boiler Inspection Law which placed all boilers carrying a steam pressure of more than fifteen pounds to the square inch under its jurisdiction. Previously the Bureau only had jurisdiction over boilers used for factory purposes. At the present time the Bureau has jurisdiction over 30,000 boilers, 75 per cent. of which are inspected by duly authorized insurance companies and the balance by the ten boiler inspectors of this Bureau. This has greatly increased the work of the inspectors and the office force of the Bureau, and I would recommend that five more boiler inspectors be appointed and at least one more stenographer and one more clerk be added to the office force. Prior to the enactment of this amendment the insurance companies filed with this office reports on boilers used for factory purposes only, as required by the law at that time, whereas they now have to file reports of all boilers that carry a steam pressure of more than fifteen pounds to the square inch. This has increased the work to such an extent that it is almost impossible

to keep up with it with the present force as these reports have to be carefully examined as to the working pressure allowed, and the condition of the boiler, and in many instances correspondence ensues therefrom.

EXPLOSIVES.

The work of the Explosive Division was greatly increased by the enactment of the Federal law governing the manufacture, sale, transportation, use and storage of explosives. There was also close co-operation by this Bureau and the Federal government, and we furnished the Federal inspector for the State of New York with all the data we had with reference to explosives. We also kept in constant touch with the Bureau of Mines with reference to the enforcement of the Federal law. The Bureau of Mines appointed a Federal advisory committee on explosives and the Chief Engineer of this Bureau was a member of the committee and attended all its meetings. On one occasion when an important question pertaining to the work of this Bureau conflicted with the Federal rules and the committee was not able to settle the question, the Chief Engineer of this Bureau went to Washington in behalf of the interest of this Bureau and the matter was satisfactorily decided at the next meeting of the committee.

GOOD RULES FOR STORAGE OF EXPLOSIVES.

During storage, explosives should be protected against excessive heat (90 degrees F. approximate maximum), moisture, fire, lightning, projectiles (from the guns of hunters and others), and theft. The magazine, therefore, should be located in a cool, secluded, well-drained place. The magazine should be well ventilated and not exposed to fire from burning grass or underbrush.

Detonators and caps should never be kept in a magazine in which other explosives are stored. For storing such devices in quantities over 1,000, a separate fireproof container should be provided at a safe distance from the other magazine.

The magazine should be securely locked and the key given to some trustworthy person, who should have sole supervision over the magazine.

When a new supply of explosives is received it should be stored so that the oldest explosives will be used first. Packages should remain closed, and in storage it is well to allow good ventilation by not placing the packages too closely together. Some dynamite may leak—that is, the nitroglycerine may exude from its paper covering. To prevent this, boxes should be placed so that the cartridge will not stand on end. The strength of an explosive is decreased if it has leaked, and the deposit of leaked nitroglycerine is a

source of danger. Containers that have held explosives and are stained with nitroglycerine should be destroyed at once. The containers should be piled loosely in an open field, saturated with kerosene, and a flame applied by a train of paper.

Packages of explosives should never be opened within the magazine, but in a properly sheltered place at a safe distance (never less than 50 feet) from the magazine. They are most safely opened with a hard-wood mallet and hard-wood wedge. Screw drivers should be used only for removing screws. Powder kegs should be opened only by removing the cap made for that purpose. Never drive a pick through the head of a powder keg.

Before a magazine is altered or repaired, all explosives should be carefully removed and the magazine thoroughly washed. There is then little danger, especially if no nails are driven into the floors, and if all tools used are made of wood or brass.

Magazines should be kept clean and floors free from grit or dirt. The fire hazard is materially lessened by keeping the surrounding ground free from rubbish, leaves, dead grass or other combustible materials.

No artificial heat of any kind, for thawing or other purposes, should be introduced into a magazine. Thawing should never be conducted in the magazine, but should be done in a separate building at a safe distance from the magazine.

Practically all dynamites freeze at temperature ranging from 35 degrees to 52 degrees F. or less. In order to use such explosives safely and to procure the maximum efficiency, they must be properly thawed before being used. When thawed, dynamite feels plastic or like soft putty between the fingers. When frozen or partly frozen it feels somewhat rigid and hard. Dynamite should be thawed completely, otherwise it can not be properly detonated. Improper detonation increases the production of poisonous gas and the possibility of igniting any explosive mixture of coal dust or coal gas which might be present in the air. After and during thawing, the nitroglycerine tends to separate from the dope and to run out of the cartridge. For this reason explosives should never be laid on end. No attempt should be made to thaw a frozen explosive by placing it on a shovel, or in a tin can, before an open fire, near a boiler, in an oven, on steam pipes, in hot water, over a lighted candle or in the sunlight. During thawing, explosives are extremely sensitive and should be handled with great care.

For thawing small quantities we would recommend a water-jacketed metal vessel closed with a tin cover. The water before being poured into the vessel should be heated to a temperature not uncomfortable to the immersed hand. This temperature should never exceed 130 degrees F.

When working on temporary operations, the manure tawer may be used to thaw small quantities of explosives. The explosives should be placed in a tight box and then surrounded with 12 or 18 inches of fresh manure. Such thawing is cheap, but slow in action. Explosives should never be placed directly in manure piles, for then the cartridge may absorb moisture and, through fermentation, may become as dangerously hot as 150 degrees.

When large quantities of explosives must be thawed, a thaw house situated at a safe distance from the magazine and other buildings should be provided. The capacity of the thaw house should be such that it will not hold more than is necessary for one shift. It should never hold more than 500 pounds

of explosives. Explosives may lose their strength if repeatedly thawed and frozen. It is not safe to expose an explosive to long continuous heating, as some explosives are liable to decompose and explode.

As a source of heat low pressure steam is probably one of the safest and most effective means of thawing explosives. Low pressure steam is usually available, and should not be used at a pressure in excess of three pounds. It is advisable to use both a pressure-reducing valve and a weighted relief valve in the steam line. The temperature of the air entering the thaw house should never exceed 130 degrees F. and it is desirable if possible to maintain the temperature at a uniform mark of 90 degrees F.

In some thaw houses it may be more convenient to use hot water as a means of heating, in which case a greater radiating surface is required than for steam heating. If no other means for heating can be provided, a special small hot-water heater may be installed, but this must be in a separate compartment, placed at least four yards from the thaw house.

In all work where there is blasting, it is recommended that the entire handling and firing of explosives be done by special men who are carefully selected and trained for their work.

Explosives should never be handled by men carrying open lights or steel tools.

No one should carry ordinary matches when entering a magazine.

GEORGE A. O'ROURKE,
Chief Engineer.

PART X
REPORT OF LEGAL BUREAU

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REPORT OF COUNSEL TO THE COMMISSION

To the Industrial Commission:

The undersigned was appointed Counsel to the Commission on May 1, 1919, two months before the end of the fiscal year which this report covers.

I have not confined myself entirely to a discussion of the work of the Bureau for the year ending June 30, 1919, but where the facts warranted it, have drawn on my experience as the head of the Legal Bureau since that time.

My predecessor, in his report submitted last year, discussed in detail the various duties imposed upon the Counsel. I shall not repeat this, but shall confine myself to a discussion of some of the difficulties we encounter in our endeavor to carry on the work of the Bureau.

THE MORELAND INVESTIGATION

When I became Counsel, an investigation into the affairs of the State Fund and the Bureau of Workmen's Compensation was in progress, under the direction of Jeremiah F. Connor, Esq., Moreland Commissioner, appointed by the Governor.

I was instructed by the Commission to co-operate with him in the conduct of the investigation, and was present at the various public hearings he held. The investigation as it developed raised many important questions on which the advice of counsel was sought. From the date of my appointment to December 31, 1919, when this report is submitted, a great deal of my time was devoted to the various phases of the investigation referred to. This was fully warranted by the importance of the facts disclosed, but it has resulted in much greater pressure on an already overburdened office.

INCREASE IN STAFF

When I assumed office I found that the staff of the Legal Bureau was, in the main, greatly underpaid and that although the office was in large measure self sustaining, it did not have sufficient facilities to carry on its work in an efficient manner.

I have had to beg literally for aid from other bureaus of the department, and only the helpful co-operation of several of the Commissioners and of the Secretary to the Commission has enabled the Bureau adequately to perform the duties assigned to it. There is no reason why a public law office should not be run as efficiently as a private law office, and it is false economy for it to be deprived of the staff that is required to do its work.

After I had been here for but a short time I was asked to prepare an estimate for the budget of the Legal Bureau for the ensuing year. I asked for an additional assistant counsel, another law clerk, a record clerk, and some additional stenographic and clerical help. I hope that the Governor and the Legislature will see fit to grant the requests that were made, for upon further familiarity with the important duties of the Bureau and the increased work coming to it as a result of the investigations conducted by the Moreland Commissioner I now find that my estimate was too modest and that I erred in asking for too little instead of too much. I would especially urge that the Bureau be allowed the increases asked for the stenographers and the clerical assistants employed by it, who to-day, I am ashamed to say, in many cases receive compensation that is entirely insufficient to meet the increased cost of living.

SUSPENDED SENTENCES IN LABOR LAW CASES

A study of Labor Law prosecutions in the State of New York discloses a very large percentage of suspended sentences after conviction.

The time has come when it is imperative to speak plainly about this condition rather than wait for some investigation growing out of a catastrophe like the Triangle Waist Company fire in New York city, and the Binghamton Clothing Company fire upstate, to reproach us for our tacit acceptance of the situation.

There is no better way to eliminate an evil than to throw the light of publicity upon it and present the facts openly and frankly.

The Prevailing Practice

The practice prevails all through the State, in the larger cities as well as in the towns and villages, for magistrates to be unduly

lenient in suspending sentence after conviction for Labor Law violations.

This is not intended to apply to every judge who sits on the trial of Labor Law prosecutions. The number of suspended sentences varies with each individual judge. Many of them co-operate fully and carefully in this respect.

Any criticism, moreover, is directed not to the ability with which the judges decide the cases, but to their over-leniency. This appears in two ways: *first*, in their over-readiness to consent to the request of local counsel and defendants for adjournment of trials, and, *second*, in their reluctance to impose penalties upon conviction.*

It is infrequent for the Counsel to the Industrial Commission to find himself at variance with the decision of the court so far as conviction or acquittal is concerned. It is the failure to impose the statutory penalties and the frequent suspension of sentence after conviction that we complain of. The criticism is meant in a constructive way. The Industrial Commission is waging a campaign of education, and knowing that it rarely resorts to prosecution without first exhausting every other means, feels that it should have as a needful accessory, the punitive power of the court.

Employers Generally Obey Labor Laws

The great mass of employers in this State obey the Labor Law. Many of them go far beyond its requirements. It is to the interest of such employers, as well as of the general public, that those who violate the law be brought to task in a manner that will serve as a deterrent to others. Those who disregard the law should in some measure be made to bear the burden of the expense to which they put the State in prosecuting them.

* The penalties for violation of the Labor Law are found in the Penal Law. Section 1275 contains the general penalties for violation of the Labor Law, viz:—for a first offense by a fine of not less than twenty or more than fifty dollars; for a second offense by a fine of not less than fifty nor more than two hundred and fifty dollars, or by imprisonment for not exceeding thirty days, or by both such fine and imprisonment; for a third offense by a fine of not less than two hundred and fifty dollars, or by imprisonment for not more than sixty days, or by both such fine and imprisonment. With but few exceptions labor law prosecutions are charged as first offenses.

Judges Not Conversant with Our Problems

The Industrial Commission is charged with the enforcement of the Labor Law, the law which directly affects the health, the welfare, the safety, the very lives of the working men, women and children of the State. It cannot discharge that duty properly without a greater measure of co-operation, in the imposition of statutory penalties after conviction, from many of the judges who try our cases. Many of them, with their multifarious duties, do not appreciate how important their final disposition of these cases is to an effective enforcement of the Labor Law; they are not in a position to be conversant with the complex problems of administration with which the Industrial Commission is confronted, or with the difficulties it encounters in its efforts to obtain compliance with these statutory requirements. In consequence, many of the judges have been prone to regard our cases as essentially criminal proceedings, and in imposing sentence to consider the individual offender solely, rather than to treat such proceedings as a part, and the most important part, of the expensive machinery built up by the State for the proper enforcement of these beneficent laws.

Suspended Sentences an Adverse Factor

A suspended sentence in any one case may have but a slight bearing on the effective enforcement of the Labor Law. In the aggregate, a large number of suspended sentences becomes a most serious adverse factor. The significance of this can only be appreciated when a picture of the situation as a whole is presented. For this purpose there will be outlined the results of Labor Law prosecutions in this State for a period of two and a half years, from July 1, 1917, to December 31, 1919.

Brief reference will be made to the record of such prosecutions for the fiscal year ending June 30, 1918. The results since that time will be analyzed in detail.

LABOR LAW PROSECUTIONS

FOR THE YEAR ENDING JUNE 30, 1918.

Factory Cases *

In New York city (the First Inspection District) 1,526 factory cases were disposed of for the year ending June 30, 1918, with 967 convictions, resulting in 438 suspended sentences and 529 fines, aggregating \$11,930. The percentage of suspended sentences was 45.

In the rest of the State (the Second Inspection District) 347 factory cases were disposed of, with 221 convictions, resulting in 162 suspended sentences and 59 fines, aggregating \$1,310. The percentage of suspended sentences was 73.

Cases dismissed by consent on compliance with the Commission's orders, and those undisposed of at the end of the year, make up for the most part the difference between the number of prosecutions commenced and number of convictions obtained.

Fire Protection in Factories

There were 156 prosecutions disposed of in New York city for violation of the law dealing with fire protection in factories, with 135 convictions, resulting in 123 fines, aggregating \$3,005, and 12 suspended sentences. The percentage of suspended sentences was 9.

In the rest of the State, 78 prosecutions for violation of fire protection laws in factories were disposed of, resulting in 46 convictions, with 14 fines, aggregating \$280, and 32 suspended sentences. The percentage of suspended sentences was 70.

In this connection it should be noted that the jurisdiction of the Industrial Commission over fire protection in factories in

* For the purpose of inspection under the Labor Law, the state is divided generally into two districts, the first inspection district covering New York City and vicinity and the second inspection district covering the rest of the State.

The State Industrial Commission's records show 47,751 factories in New York City (the First Inspection District), employing 760,904 workers, and 19,673 factories in the rest of the State (the Second Inspection District), employing 623,984 workers. The Commission in the First Inspection District has no jurisdiction over structural requirements or exits, and over the laws prohibiting smoking in factories, and requiring fire drills, fire alarm systems and automatic sprinklers. The jurisdiction in the up-State or Second Inspection District is much more extensive for it includes all of the foregoing.

Inspection of mercantile establishments was until May, 1919, limited to cities of the first and second class, with a small number of inspections in third class cities to cover the one day of rest in seven law. Since then the Commission's jurisdiction has been extended to cover all cities.

New York city is limited to locked door cases. Up-State, the jurisdiction is much more extensive, covering structural requirements for exits, fire escapes, fire alarm signals, fire drills, locked doors and the prohibition of smoking in factories.

Mercantile Cases

In New York city 1,163 prosecutions for violation of the Labor Law in mercantile establishments were disposed of, with 1,108 convictions, resulting in 333 fines, aggregating \$7,435, and 775 suspended sentences. The percentage of suspended sentences was 70.

In the rest of the State there were 141 such cases disposed of, with 130 convictions, resulting in 27 fines, aggregating \$515, and 103 suspended sentences. The percentage of suspended sentences was 80.

Summary of Suspended Sentences

In New York city, for the year ending June 30, 1918, there were 2,075 convictions in Labor Law cases, covering all branches of the work, with 862 fines and 1,213 suspended sentences, the percentage of suspended sentences being 58.

In the rest of the State there were 351 such convictions, with 86 fines and 265 suspended sentences, the percentage of suspended sentences being 75.

LABOR LAW PROSECUTIONS

YEAR ENDING JUNE 30, 1919

Small Percentage of Acquittals

The statistical tables for this period, group under one heading, the acquittals, the cases withdrawn from prosecution, and those dismissed by consent, upon compliance with orders of the Commission. For the new fiscal year the tables group these various classes separately.

I have had a computation made to show the percentage of acquittals in Labor Law cases for the year ending June 30, 1919. This of course does not include the large number of cases where we consent to a dismissal of the proceedings, upon compliance with the orders issued.

The result is encouraging and demonstrates not only the co-operation of the courts in this respect, but indicates how careful Counsel to the Industrial Commission is in commencing and pressing these prosecutions.

In New York city the percentage of acquittals in factory cases was 3 and there was the same percentage in mercantile cases.

Up-State the percentage of acquittals in factory cases was 15, and in mercantile cases 7.

Large Percentage of Suspended Sentences

The very large percentage of suspended sentences after convictions have been obtained is the most discouraging feature of our work.

In New York city, for the year ending June 30, 1919, there were 1,839 convictions in Labor Law cases, covering all branches of the work, with 823 fines and 1,016 suspended sentences. The percentage of suspended sentences was 55.

Up-State there were 357 such convictions, with 108 fines and 249 suspended sentences, the proportion of suspended sentences being 70 per cent.

The detailed results of the prosecution work for the year ending June 30, 1919, follow:

Factory Cases

There were 1,424 prosecutions for Factory Law violations commenced in New York city, with total fines of \$11,340; 382 prosecutions for similar violations were commenced in the rest of the State, with total fines of \$1,550.

Suspended Sentences in Factory Cases

In New York city there were 943 convictions for Factory Law violations, resulting in 523 fines and 420 suspended sentences. The proportion of suspended sentences was 44 per cent.

In the rest of the State there were 214 convictions for Factory Law violations, resulting in 73 fines and 141 suspended sentences. The proportion of suspended sentences was 66 per cent.

It should be noted that the difference between the number of prosecutions commenced and number of convictions obtained in factory and mercantile cases, in the two inspection districts, is made up almost wholly of

cases dismissed by consent on compliance with the commission's orders, and those undisposed of at the end of the fiscal year. Those figures are omitted to avoid unnecessary statistics. The percentage of acquittals has been referred to above.

Fire Protection in Factories

In New York city the jurisdiction of the Commission in fire protection matters, as has been stated, is limited to locked doors in factories. There were 119 convictions in such cases, with 97 fines, aggregating \$2,175, and 22 suspended sentences, the percentage of suspended sentences being 18.

In the rest of the State where the jurisdiction of the Commission over fire protection matters is much more extensive and covers all the laws dealing with the fire hazard in factories, there were 39 convictions in fire protection cases in factories, resulting in 17 fines, aggregating \$375, and 22 suspended sentences. The percentage of suspended sentences was 56.

Factory Child Labor Cases

In New York city there were 396 convictions for violation of the Child Labor Law in factories. These resulted in 148 fines and 248 suspended sentences, the proportion of suspended sentences being 62 per cent.

In the rest of the State there were 139 convictions for violation of the Child Labor Law in factories, resulting in 42 fines and 97 suspended sentences, the proportion of suspended sentences being 70 per cent.

Mercantile Cases

In New York city 1,018 prosecutions for violation of the Labor Law in mercantile establishments were commenced, with total fines of \$6,375; in the rest of the State 199 prosecutions for violation of the Labor Law in mercantile establishments were commenced, with total fines of \$710.

Suspended Sentences in Mercantile Cases

In New York city there were 896 convictions for violation of the Labor Law in mercantile establishments, with 300 fines and 596 suspended sentences, the percentage of suspended sentences being 67.

In the second inspection district, four prosecutions for violation of the Labor Law in mercantile establishments, with 35 fines and 108 suspended sentences, the percentage of suspended sentences being 76.

Child Labor Cases in Mercantile Establishments

In New York City there were 647 convictions for violation of the Child Labor Law in mercantile establishments, with 181 fines and 466 suspended sentences, the percentage of suspended sentences being 72.

In the rest of the State there were 77 convictions for violation of the Child Labor Law in mercantile establishments, with 12 fines and 65 suspended sentences, the percentage of suspended sentences being 84.

SUSPENDED SENTENCES—LABOR LAW PROSECUTIONS

YEAR ENDING JUNE 30, 1919.

FACTORY CASES

	<i>Prosecutions</i>	<i>Fines</i>	<i>Percentage of acquittals</i>
New York City.....	1,424	\$11,340 00	3
Up-State.....	382	1,550 00	15

SUSPENDED SENTENCES IN FACTORY CASES

ALL FACTORY LAW VIOLATIONS

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City.....	943	523	420	44
Up-State.....	214	73	141	66

FIRE PROTECTION IN FACTORIES

New York City.....	119	97	22	18
Up-State.....	39	17	22	56

FACTORY CHILD LABOR CASES

New York City.....	396	148	248	62
Up-State.....	139	42	97	70

MERCANTILE CASES

	<i>Prosecutions</i>	<i>Fines</i>	<i>Percentage of acquittals</i>
New York City.....	1,018	\$6,375 00	3
Up-State.....	199	710 00	7

SUSPENDED SENTENCES IN MERCANTILE CASES

ALL MERCANTILE LAW VIOLATIONS

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City.....	896	300	596	67
Up-State.....	143	35	108	76

MERCANTILE CHILD LABOR CASES

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City.....	647	181	466	72
Up-State.....	77	12	65	84

SUMMARY OF SUSPENDED SENTENCES

New York City.....	1,839	823	1,016	55
Up-State.....	357	108	249	70

LABOR LAW PROSECUTIONS

FROM JULY 1, 1919, TO DECEMBER 31, 1919

Percentage of Acquittals

In New York city the percentage of acquittals in factory cases during this period was 2.5, and in mercantile cases 2.75.

Up-State the percentage of acquittals in factory cases was 9.5, and in mercantile cases 10.

Large Percentage of Suspended Sentences

In New York city there were 909 convictions in Labor Law cases, covering all branches of the work, with 483 fines and 426 suspended sentences, the percentage of suspended sentences being 47.

Up-State there were 203 such convictions, with 63 fines and 140 suspended sentences, the proportion of suspended sentences being 69 per cent.

The detailed results of the prosecution work for this period follow:

Factory Cases

There were 504 prosecutions for Factory Law violations commenced in New York city, with total fines of \$4,800; 197 prosecutions for similar violations were commenced in the rest of the State, resulting in total fines of \$740.

Suspended Sentences in Factory Cases

In New York city there were 11 acquittals and 410 convictions of Factory Law violations, resulting in 203 fines and 207 suspended sentences. The proportion of suspended sentences was 50 per cent.

In the rest of the State there were 13 acquittals and 137 convictions for Factory Law violations, resulting in 32 fines and 105 suspended sentences, the proportion of suspended sentences being 77 per cent.

Fire Protection in Factories

In New York city there were 31 convictions for locked doors in factories (the Commission's jurisdiction over the fire hazard in factories in New York city is limited to such cases), resulting in 26 fines and 5 suspended sentences, the proportion of suspended sentences being 16 per cent.

In the rest of the State there were 31 convictions for violation of the laws dealing with all matters relating to the fire hazard in factories, which resulted in 6 fines and 25 suspended sentences, the percentage of suspended sentences being 81.*

Factory Child Labor Cases

In New York city there were 296 convictions for violation of the Child Labor Law in factories, resulting in 127 fines and 169 suspended sentences, the percentage of suspended sentences being 57.

In the rest of the State there were 67 convictions for violation of the Child Labor Law in factories, resulting in 16 fines and 51 suspended sentences, the percentage of suspended sentences being 76.

Mercantile Cases

In New York city there were 476 prosecutions commenced for violation of the Labor Law in mercantile establishments, resulting in total fines of \$4,970.

In the rest of the State there were 88 such prosecutions commenced, resulting in fines aggregating \$440.

Suspended Sentences in Mercantile Cases

In New York city there were 12 acquittals and 420 convictions in mercantile cases, resulting in 224 fines and 196 suspended sentences, the percentage of suspended sentences being 47.†

In the rest of the State there were 7 acquittals and 63 convictions in such cases, resulting in 28 fines and 35 suspended sentences, the percentage of suspended sentences being 56.

* There were also 3 acquittals in these cases up-State and 10 were dismissed by consent on compliance with orders of the Commission. In New York City all the cases disposed of resulted in convictions.

† The remaining prosecutions in each inspection district were dismissed by consent on compliance with the Commission's orders, or were still pending on December 31, 1919.

Mercantile Child Labor Cases

In New York city there were 310 convictions for violation of the Child Labor Law in mercantile establishments, resulting in 146 fines and 164 suspended sentences, the percentage of suspended sentences being 53.

In the rest of the State there were 36 such convictions, resulting in 13 fines and 23 suspended sentences, the percentage of suspended sentences being 64.

Manufacturing in Tenements

In New York city there were 87 prosecutions commenced for violation of the law regulating manufacturing in tenements. There were 4 acquittals and 79 convictions, resulting in 56 fines, for a total of \$1,135, and 23 suspended sentences. The percentage of suspended sentences was 29. Five cases were left undisposed of on December 31, 1919.

Mines and Quarries

In the second inspection district, four prosecutions for violation of the law dealing with mines and quarries were commenced. There were three convictions and a fine was imposed in each case, with a total of \$75. One case was undisposed of on December 31, 1919.

SUSPENDED SENTENCES—LABOR LAW PROSECUTIONS

JULY 1, 1919, TO DECEMBER 31, 1919

FACTORY CASES

	<i>Prosecutions</i>	<i>Fines</i>	<i>Percentage of acquittals</i>
New York City.....	504	\$4,800 00	2.5
Up-State.....	197	740 00	9.5

SUSPENDED SENTENCES IN FACTORY CASES**ALL FACTORY LAW VIOLATIONS**

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City.....	410	203	207	50
Up-State.....	137	32	105	77

FIRE PROTECTION IN FACTORIES

New York City.....	31	26	5	16
Up-State.....	31	6	25	81

FACTORY CHILD LABOR CASES

New York City.....	296	127	169	57
Up-State.....	67	16	51	76

MERCANTILE CASES

	<i>Prosecutions</i>	<i>Fines</i>	<i>Percentage of acquittals</i>
New York City	476	\$4,970 00	2.75
Up-State	88	440 00	10

SUSPENDED SENTENCES IN MERCANTILE CASES

ALL MERCANTILE LAW VIOLATIONS

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City	420	224	196	47
Up-State	63	28	35	56

MERCANTILE CHILD LABOR CASES

New York City	310	146	164	53
Up-State	36	13	23	64

MANUFACTURING IN TENEMENTS

New York City	79	56	23	29
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MINES AND QUARRIES

Up-State	3	3	0	0
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SUMMARY OF SUSPENDED SENTENCES

	<i>Convictions</i>	<i>Fines</i>	<i>Suspended sentences</i>	<i>Percentage of suspended sentences</i>
New York City	909	483	426	47
Up-State	203	63	140	69

Summary of Suspended Sentences

The percentage of suspended sentences in all Labor Law cases for the two and one-half years we have been considering, is as follows:

	<i>New York City</i>	<i>Up-State</i>
July, 1917, to June, 1918	58	75
July, 1918, to June, 1919	55	70
July, 1919, to December, 1919	47	69

Efforts to Reduce Suspended Sentences

Since the present Counsel to the Industrial Commission assumed office on May 1, 1919, it has been his endeavor to bring about a reduction in the number of suspended sentences imposed upon conviction in these Labor Law cases, which the foregoing figures show to be excessive all through the State and more so in the second, or up-State, inspection district. In New York city the figures for the six months ending December 31, 1919, do not adequately reflect the real situation. The great bulk of our Labor Law cases in that city are tried before five magistrates, rotating in what is known as the Municipal Term of the City Magistrates' Court. About one-half of all the suspended

sentences in Labor Law cases in New York city during the last six months have been imposed by one of these five magistrates. If this judge had suspended sentence in the same percentage of cases as the others average, the figures of the last six months in New York city would have told a different story. He is courteous and prompt in the disposition of our cases and I believe that familiarity with the situation as a whole will result in a decrease of suspended sentences by him in these cases. This tendency has already made itself manifest. I hope for similar improved results in this respect up-State when the facts and figures herein presented are fully appreciated.

The Court of Special Sessions in New York city tries but few Labor Law prosecutions. The cases there are limited for the most part to violations of the Mattress Law and the number of suspended sentences imposed upon conviction is small. While the subject is not covered by this article, reference should be made to the splendid co-operation the Commission is receiving from this court in the disposition of prosecutions for failure of employers to carry Workmen's Compensation insurance.

Commission Reluctant to Prosecute

In considering the foregoing statistics, it should be noted that only a small percentage of Labor Law violations are referred to counsel for prosecution. This will be referred to in detail later.

Furthermore, even after a prosecution has been commenced there is a large number of cases, where if the orders issued by the department are subsequently complied with, counsel does not ask for the imposition of a fine, but consents to a dismissal of the proceedings. This applies to orders involving structural changes, the installation of fixtures, apparatus and the like. It also applies to structural requirements for safety in case of fire.

In such cases, the Commission has been most patient. The owner or employer is notified of the violation by the Bureau of Inspection. He is given ample opportunity to comply; if he fails, a warning letter is then sent out by counsel; if that does not produce results, prosecution is commenced. Although the department has been put to all this trouble and expense, if the

owner or employer finally complies with the orders issued, the department does not ask that he be penalized, but consents to a dismissal of the proceedings against him. That has been the practice for some years and before I became Counsel to the Commission. It is only in exceptional cases where the employer uses improper or obstructive tactics that this procedure is not followed.

This attitude of forbearance by the department, while there is a good deal to be said for it, is open to the objection that it affords an opportunity for dilatory tactics by some employers where important measures of safety and sanitation are involved.

I refer to it in detail to show how desirous the Commission is to secure the co-operation of employers and owners, and how reluctant it has always been to insist upon an enforcement of the penal provisions of the statute save where absolutely necessary.

So that when we discuss the problem of suspended sentences in Labor Law prosecutions we have removed from consideration: *first*, the large percentage of violations which are not even referred to counsel, and *second*, the large number of prosecutions where it has been the practice of the department not to ask for the imposition of a fine, but to consent to a dismissal of the proceedings upon compliance with its orders.

Cases Where Commission Urges Penalties

This leaves the group of cases with which we are directly concerned, where the department urges that a fine be imposed upon conviction, and where the problem of suspended sentences is fraught with such far-reaching consequences.

These cases cover violations of the Child Labor Law, the One-Day-of-Rest-in-Seven Law, the provisions regulating the hours of labor of women in industry, prohibiting locked doors and smoking in factories, and the like.

Small Percentage of Violations Referred to Counsel

Even in these cases a surprisingly small percentage is referred to counsel for prosecution, and then, except in the case of locked doors, not until the employer or owner has, as a general rule, been warned by the Bureau of Inspection.

For a period of four months, beginning July 1, 1919, the following was the percentage of violations sent to counsel for prosecution:

Factories:

Illegal child labor	43 per cent.
Illegal hours	56 per cent.
Prohibited employment	33 per cent.

Mercantile Establishments:

Illegal child labor	14 per cent.
Illegal employment of women	19 per cent.
Violation of day of rest law.....	24 per cent.

After a case is sent to counsel, the facts are carefully gone over with the inspector, and where prosecution is not warranted, that is certified to the Commission with a recommendation for withdrawal.

Why Penalties Should be Imposed

The labor laws we are now considering are simple in their requirements, and have been on the statute books for a long time. Abstracts of the laws are posted in every establishment or place inspected by the Industrial Commission.

The distinguishing feature of these violations is that they are temporary in character, or relate to conditions which may change at any moment. The failure to provide a sufficient number of exits when complied with has a certain permanency. A child who is illegally employed, however, may be discharged after a prosecution has been commenced, but that does not prevent the subsequent re-employment of that child in the same establishment, or another violation of the Child Labor Law there on subsequent occasions. These are all temporary and changing conditions which the department through its inspection force, in the very nature of things, is unable to cope with sufficiently. It cannot make inspections of establishments coming under its jurisdiction with the degree of frequency necessary to meet these changing conditions.

Inspection Alone Inadequate

The work of inspection, to be of lasting value in these cases, must be supplemented by the certainty of punishment of the offender wherever such a violation as we are now considering is

discovered, and where a prosecution has been instituted. It is self-evident that the number of such violations that are found on inspection is but a small percentage of those which occur during the remaining part of the time when the premises are not visited by inspectors.

The imposition of a penalty on conviction for such violation is, therefore, an indispensable aid to the enforcement of the law, because of its deterrent effect.

Judges Aid Essential

There are, of course, individual cases when a suspended sentence may be called for, but a record of from 47 per cent. to 58 per cent. of suspended sentences in labor law cases in New York city, and 69 per cent. to 75 per cent. up-State is entirely too high. This is particularly so in view of the fact that only a small percentage of violations discovered result in prosecution and of these a large number are dismissed by consent on compliance with orders issued by the Commission.

The judges of the State who hear these important cases have it in their power to render most effective aid in stamping out illegal child labor and the unlawful employment of women in our industrial establishments. They have it in their power to enforce a more widespread observance of the Labor Law generally. Prosecution and conviction alone will never accomplish this result. They must be supplemented by the certainty of a penalty where such a violation is discovered. The large number of suspended sentences now imposed in Labor Law cases tends to perpetuate the evil conditions sought to be remedied by statute, and to obstruct the efforts of the department to enforce these regulatory measures. The judges have the power, and theirs must be the responsibility if they fail to exercise it. All we can do is to call public attention to these matters, and to plead for a closer and more sympathetic co-operation between the Commission and the courts, in order that the purpose and intent of these beneficent laws, so important to the safety and welfare of the people, may be fully carried out.

RECOMMENDATION FOR AMENDMENTS OF THE LABOR LAW

The assistant counsel in charge of Labor Law prosecutions was present at several conferences with Commissioner Lynch and the supervising factory inspectors to consider amendments to the Labor Law. The amendments there agreed upon are being prepared and will be submitted to the Commission shortly.

APPEALS IN COMPENSATION CASES

We have made a change in the method heretofore adopted with reference to appeal statistics. In prior annual reports of the Legal Bureau the number of notices of appeal received, rather than the number of cases in which appeals were taken, was used as the basis. From a statistical standpoint, such a method of computation is open to objection and is confusing. For example, several notices of appeal may be served in one case, resulting in the preparation of one set of findings by the Commission, one record on appeal, and in a single argument before the Appellate Division. Thus, an appeal may be taken from the decision of a deputy; then a rehearing is had before a Commissioner and a second notice of appeal filed from his decision. The former practice in the office has been to count this as two appeals. In this report it will be considered as one appeal, for I believe the correct basis to be the number of cases in which an appeal is taken, rather than the number of notices of appeal served.

Of course, when a case on appeal is argued and disposed of by the Appellate Division, and subsequently another appeal is taken from the Commission's action thereon, it would under our method be treated as two appeals. It is very rare, however, for such a situation to be presented within any one fiscal year.

Mr. David Gottlieb, my predecessor's record clerk, has been good enough to make a compilation for me of the appeals cases handled by the Legal Bureau for the year ending June 30, 1919. Under the heading of "Appeals to the Appellate Division," the first column sets forth the figures arrived at by the use of the new method I have referred to, that is, the number of cases in which appeals were taken to the Appellate Division. There is set forth

in the second column for the purpose of comparison with last year's annual report, the figures based upon the old method, that is, the number of notices of appeal received.

APPEALS TO APPELLATE DIVISION

	<i>New Method</i> Number of cases in which appeals were taken	<i>Old Method</i> Number of notices of appeal received
Pending and undetermined on July 1, 1919.....	187	259
Cases in which appeals were taken between July 1, 1918, and June 30, 1919.....	444	622
	<hr/>	<hr/>
Total number of cases requiring attention during the fiscal year.....	631	881

DISPOSITION OF APPEALS TO THE APPELLATE DIVISION

Appeals withdrawn.....	184	257
Claims disallowed on rehearing and appeals withdrawn..	60	84
Awards affirmed.....	119	165
Cases remitted to the Commission for further hearing..	14	20
Appeals dismissed for want of prosecution.....	8	11
Appeals dismissed by consent.....	1	1
Awards reversed.....	42	59
Pending and undetermined on June 30, 1919.....	203	24
	<hr/>	<hr/>
Totals.....	631	881

COURT OF APPEALS CASES

As there is practically no occasion for serving more than one notice of appeal in cases appealed to the Court of Appeals, there is no change here from the statistical method employed in last year's annual report.

APPEALS TO THE COURT OF APPEALS

	Number of cases
Pending and undetermined on July 1, 1918.....	15
Cases in which appeals were taken between July 1, 1918, and June 30, 1919.....	39
	<hr/>
Total number of cases requiring attention during the fiscal year..	54

DISPOSITION OF APPEALS TO THE COURT OF APPEALS

Appeals withdrawn.....	2
Appeals affirmed.....	34
Appeals dismissed for want of prosecution.....	0
Appeals dismissed by the Court.....	2
Awards reversed.....	11
Pending and undetermined on June 30, 1919.....	5
Total.....	54

APPEALS TO THE UNITED STATES SUPREME COURT

	Number of cases
Pending and undetermined on July 1, 1918.....	1
Cases in which appeals were taken between July 1, 1918, and June 30, 1919.....	1
Total number of cases requiring attention during the fiscal year..	2

DISPOSITION OF APPEALS TO THE UNITED STATES SUPREME COURT

Awards reversed.....	1
Pending and undetermined on June 30, 1919.....	1
Total.....	2

RECORDS IN APPEAL CASES

I have made a change in the method of keeping appeal records and have installed a new system which combines an alphabetical loose leaf ledger system with a card index system showing the status of each case. This enables us at a glance to determine how the appeal work of the Bureau is progressing. In the card index file, the cases are grouped under such headings as

Notices of Appeal Received.....
Folder Requested.....
With Hearing Stenographer.....
Received for Findings.....
Findings Served.....
Proposed Case Served.....
Printed Case Served.....
Argued.....
Disposed of.....

As the case progresses its card is moved into the appropriate compartment.

This new system, which was installed with the assistance of Mr. Leonard W. Hatch, Chief of the Bureau of Statistics, has already been of great aid to us and will be increasingly helpful in the future work of the office.

DELAY IN APPEALS

The Compensation Law was designed to afford speedy relief to an injured workman or his dependents. Every appeal necessarily holds up the payment of the award made by the Commission. In many cases, however, there is altogether too much delay in disposing of the appeals taken. With the co-operation of the Chief of the Division of Claims, we have succeeded in having the folders with the minutes transcribed up to date sent to us much more quickly than in the past. There is still room for considerable improvement in this connection.

INCREASE IN APPEALS

The number of appeals to the Appellate Division is beginning to show a marked increase over previous years. This will be reflected in the annual report of the Bureau for the next year. The increase is due in part to the passage of the law at the last session of the Legislature putting an end to direct settlements with claimants. For the year ending June 30, 1918, there were 30,647 direct settlements as against 21,551 claims filed with the Commission. For the year ending June 30, 1919, there were 28,448 direct settlements as against 21,657 claims filed with the Commission. (The law eliminating direct settlements went into effect on May 14, 1919.)

Under the new law, every compensation case appears on the Commission's calendar. This addition of 30,000 compensation cases to the calendar every year is bound to result in an increased number of appeals.

We have already felt this and it will require an additional assistant counsel to help in the preparation of the Commission's findings in these appeals cases to enable us to keep up with our work.

DELAY DUE TO APPEAL PRACTICE

Under the law, the employer has thirty days from the date of the entry of the award within which to take an appeal to the

Appellate Division. I believe that this time is too great and should be cut in half. When we are served with a notice of appeal we send for the folder with minutes transcribed to date. When it is received, the Commission's findings are prepared and submitted for signature. They are then served on the parties in interest. Under the existing practice, the appellant has thirty days thereafter within which to serve his proposed case. Two copies of the proposed case are submitted to this office and are compared by a law clerk with the original records and one copy returned with any corrections that may be found.

We are in urgent need of an additional law clerk for this work, if the cases are to be compared thoroughly and without delay. I have asked for this new position in next year's budget.

After a proposed case is returned, the appellant has twenty days thereafter within which to serve his printed case, which, when received is examined in this office and certified by the Commission.

If the Commission's award is affirmed by the Appellate Division by a divided court, an appeal may be taken to the Court of Appeals as a matter of right. If the award is affirmed unanimously an appeal to the Court of Appeals may be taken only if allowed by the Appellate Division or by the Court of Appeals upon motion made for that purpose before the end of the next term succeeding that on which the appeal was decided.

I believe that it is possible to secure a more speedy argument and disposition of these appeals by an appropriate amendment of the Rules of Practice, and hope to present specific recommendations on that subject before the end of the next fiscal year.

REVIEW AND REHEARING BY THE COMMISSION

One source of delay in disposing of appeals is the present method of rehearing and review by the Commission, of cases passed upon by deputies or even by Commissioners. There has been no settled practice in such cases. The Commission is now engaged with the assistance of counsel, in preparing a set of rules for such rehearings and review which I believe will have an excellent effect on the more speedy disposition of the appeal work.

APPEALS BY UNINSURED EMPLOYERS

Some question has arisen with respect to the right of an uninsured employer to appeal from the award made against him by the Commission without filing a bond as security therefor. I do not believe that the present law will permit this. Certainly the Legislature never intended to give a violator of the law any such right, but all doubt on that point should be removed by appropriate legislation.

INFORMAL PRACTICE BEFORE THE COMMISSION

The proceedings in compensation cases are necessarily informal in character. The law expressly provides that in hearing such cases, the Commission is not to be bound by technical rules of evidence. Furthermore, with but one exception, none of our deputies is a lawyer. With the great pressure of work upon them, it is not strange that our records on appeal should not be as complete and as well arranged as those in ordinary legal actions. In conference had with the hearing Commissioners, I have, from time to time, made suggestions to improve this condition. I am glad to say, however, that the Appellate Division of the third department has realized the difficulties with which the Commission is confronted and has been most patient in this matter.

COLLECTION OF UNPAID AWARDS

Section 50 of the Workmen's Compensation Law requires employers coming under the act to carry insurance for their employees in case of accident.

Where Insurance Is Carried

Where this provision is complied with, payment of awards made by the Commission is largely a matter of course. Where an insurance carrier or a self-insurer delays unduly in making payment to the injured employee or his dependents, the case is sent to the Legal Bureau for collection. This is done in but rare instances, and the imposition against such delinquents of the penalties provided for by the law will gradually do away with all such cases.

Awards Against Non-Insurers

The failure of many employers in the State to carry workmen's compensation insurance, as required by law, results in hundreds of unpaid awards being sent to the Legal Bureau every year for collection, and it is these cases which present one of the most serious problems with which the Commission is confronted.

Record of Collections for Past Year

During the past year under the direction of my predecessor, considerable progress was made in collecting unpaid awards against non-insurers. For the year ending June 30, 1919, the sum of \$40,306.46 was collected, of which \$23,416.90 was received through this office, and \$16,885.56 paid directly to claimants after proceedings for collection had been instituted by the Legal Bureau, and, in many cases, after judgment had been entered, execution issued, and examinations in supplementary proceedings had.

This compares favorably with the record for preceding years; for in 1917 the sum total amounting to \$19,974.45 was collected and in 1918 the Bureau succeeded in collecting \$20,951.41.

Collection Records

When I became counsel to the Commission on May 1, 1919, I found that notwithstanding this progress which had been made, conditions in the collection division were not entirely satisfactory. Records were in poor shape and it was impossible to keep track of the status of the various cases and to see that they received the necessary attention.

A new system of records was installed along the lines of that adopted for appeals cases, which I have already referred to. We have now, as a part of our collection records, a card index system showing the exact status of every collection case. The cases are grouped under various headings, among others: "Received for Collection," "Decision and Award Prepared," "Judgment Entered," "Execution Issued," "Examination in Supplementary Proceedings," "Payments on Account," "Motion to Punish for Contempt," etc. As the case progresses, the card is moved in to the proper compartment. A glance discloses the exact condition of the collection work of the Bureau and shows just what

cases require immediate attention. A good card index system is an indispensable aid to the proper conduct of collection work.

Since I became counsel I have given special attention to this branch of the work, for I was convinced that no effort was too great and no step should be left unturned to secure to the injured workmen and their dependents the benefits that the law intended that they should receive and of which they may be deprived only because the employer himself has violated its provisions.

Recent Collections

The efforts made under my direction with the zealous and conscientious assistance of Mr. Alexander A. Tausky, assistant counsel in charge of the division of collection, have been productive of excellent results which will fully appear in next year's annual report. Suffice it to say, at this time, that for the first month I was counsel to the Commission, the month of May, 1919, the total collections of unpaid awards amounted to \$2,146.23. Since then the collections by months have been as follows:

June	\$5,579 37
July	9,023 35
August	8,172 60
September	7,427 35
October	10,850 76
November	8,480 95
December	13,757 46

For six months of the fiscal year beginning on July 1, 1919, we have succeeded in collecting unpaid awards amounting to \$57,712.47, which is almost three times the entire amount collected for each of the years 1917 and 1918, and about one and one-half times the entire amount collected in the full year of 1919.

Special Calendar for Uninsured Cases

This showing is most gratifying indeed, but it does not reflect all that has been accomplished in this direction.

Steps are being taken by the Second Deputy Commissioner in charge of workmen's compensation, in accordance with my sug-

gestion, to set up a special calendar for uninsured cases, so that they may be given preference and disposed of as speedily as possible.

Elimination of Delay

The deputies hearing compensation cases were urged to arrange with uninsured employers for payment of the awards at the hearings at which they were made. A list of questions was prepared for the guidance of the Commissioners to put to these employers, which were in character of an advance examination in supplementary proceedings. The purpose was, not only to ascertain just what assets these uninsured employers had, but to convince them that the department was prepared to take active measures to collect the awards. As a result of this, many awards against uninsured employers have been collected, particularly in the up-State cities, which otherwise would have had come to counsel for collection.

It was also urged that all awards against uninsured employers be transmitted to counsel for collection without delay. There has been considerable improvement in this respect, but a great deal still remains to be done. Any one familiar with collection work knows the importance of prompt action in these matters.

Under the present law, no judgment may be entered against an employer for a period of thirty days from the date of the entry of the award, that period being allowed him in which to take an appeal. The law should be changed so as to permit the entry of judgment against an uninsured employer as soon as an award for compensation has been made against him.

When I assumed charge of the Legal Bureau I found that there was a much greater delay in the entry of judgment than was anticipated by law. The practice was to give an employer thirty days from the date of the mailing of the formal decision and award by the Commission, although as a matter of fact, the award itself had been entered quite some time previously. This practice was changed at once so that today we are prepared to enter judgment against an uninsured employer not later than thirty days from the date of the entry of the award.

Military Affidavits

The Federal Soldiers and Sailors' Civil Relief Act requires that before a judgment can be entered against a defendant in a civil suit, who does not appear therein, an affidavit must be filed showing that he is not in the military or naval service of the United States. This entails much additional labor and necessarily delays the entry of judgment. In many cases it is a stumbling block, particularly in the up-State cities, for it often involves visits to small cities or towns where the employer is located.

More Co-Operation from Up-State Deputies

On the whole, the collection work is progressing favorably so far as New York City and vicinity is concerned. In up-State cases we should have a larger measure of co-operation from the Deputy Commissioners in charge of the various compensation offices maintained by the Commission in the cities of Albany, Syracuse, Rochester and Buffalo. Counsel's office is not at present equipped with the necessary facilities for sending lawyers and process servers all through the State in order to take the necessary steps in collection cases. Military affidavits should be secured for us by local deputies and orders for examination in supplementary proceedings prepared by the Legal Bureau should be served by such deputies. The examinations we can arrange to handle ourselves. I have taken this matter up with Mr. Archer, the deputy in charge of compensation and with his assistants, and have been assured of their co-operation. I believe that much can be accomplished along this direction.

Penalties for Non-Payment

It is not clear that under the present law we are authorized to tax costs against delinquent employers in these cases. At any rate that has not been the practice of the Bureau. All doubt on that point should be removed by appropriate legislation for I believe that it is only fair and proper that the delinquent employers should be made to pay at least a part of the expense to which they put the State.

Under the present law we are authorized to add a penalty of 20 per cent to the amount of the award when we enter judgment

therefor. We are also authorized to commence action to recover a penalty of 50 per cent of the amount of the award for non-payment. The latter is, on the whole, not feasible, save in exceptional instances, for it would entail a great amount of additional work, which the Bureau is not now equipped to handle. The 20 per cent penalty which may be automatically added to unpaid awards, we shall commence to put into operation gradually as soon as the collection work is completely under control, which I hope will be by the end of the current year.

Uncollectible Awards

Despite all of our efforts, notwithstanding the increased amount of time devoted to thorough examinations in supplementary proceedings, there remains at the end of the year a large number of cases where awards to injured employees and their dependents cannot be collected against uninsured employers, either because of the failure to locate the employer or because he is financially unable to make payment. The hardships caused are very great, and the pity of it all is that it could have been avoided entirely by the employer's payment of a small premium to insure his workers as the law requires.

In many cases we have commenced criminal prosecution against these employers, but that is small consolation to the maimed worker, or to his widow or orphans. The only way to solve this problem is to redouble our efforts to secure the compliance of the requirement of the law for carrying insurance, without which, in many instances, it is rendered futile and ineffective.

ADMINISTRATIVE RECOMMENDATIONS IN COLLECTIVE WORK

1. A special calendar should be set up for non-insurance cases, which should be given preference and disposed of speedily. This should be done not only in New York City, but in all up-State cities as well.

2. Hearing commissioners should endeavor to arrange for the payment of awards against uninsured employers at the hearings at which they are made.

3. Unpaid awards against uninsured employers should be referred to the Legal Bureau for collection with the least possible delay.

4. The Deputy Commissioners of Compensation in charge of up-State offices should, under the supervision of counsel, co-operate more fully in the collection of unpaid awards against employers in their localities.

5. The 20 per cent penalty for non-payment should be resorted to in the very near future and, in exceptional cases, action should be commenced to recover the penalty of 50 per cent provided for by the law.

LEGISLATIVE

6. The law should be amended so that judgment may be entered against the uninsured employer immediately upon the entry of an award against him and without having to wait for a period of thirty days thereafter unless, of course, the employer deposits the amount of the award as security or furnishes a bond for the amount thereof.

7. Provision should be made whereby costs may be taxed against delinquent employers when judgments are entered against them and proceedings had subsequent thereto.

8. Officers and directors of corporations who fail to carry compensation insurance as required by law should be made personally liable for compensation awards made against the corporation.

9. A bill should be introduced in Congress providing that awards for compensation to injured employees or their dependents should not be dischargeable in bankruptcy.

PROSECUTIONS FOR NON-INSURANCE

The failure of many employers to carry workmen's compensation insurance as required by law, is, as I have pointed out, one of the greatest evils we have to contend with. The Legislature, when it passed the workmen's compensation act, intended that the burdens of an accident were to be borne by industry rather than by the injured workman and his dependents. This intent of the Legislature is completely nullified in numerous instances because the employer has failed to take out insurance which the law requires. Workers who are maimed in industrial accidents, widows and orphans of those who are killed, have implicit faith and confidence that the humane compensation law, which was passed for their benefit, will afford them ample protection. One

of the saddest and most difficult tasks that I have had imposed upon me has been to try to make these unfortunate victims of industry understand how it is that an award for workmen's compensation, made by the Commission against the employer remains unpaid. When I tell them that we are helpless, because the employer himself has violated the law intended for their benefit, it arouses in them a just feeling of resentment and a suspicion that the even-handed justice which they expect to receive in this democracy has not been dispensed.

There is no more important task before the Commission today than the elimination of this great evil with the suffering, the hardship and the discontent it produces.

CO-OPERATION WITH BUREAU OF INSPECTION

I found that under the direction of Deputy Commissioner Archer, with the co-operation of the Bureau of Inspection, considerable effort was being made to induce employers to take out the necessary insurance. The factory inspectors would report cases of non-insurance to the Bureau of Workmen's Compensation, which would then send out various form letters, culminating in a letter of warning signed by the counsel to the Commission. By this method, often long and protracted, a large number of employers were induced to take the necessary insurance.

SERVICE OF ORDER ON UNINSURED EMPLOYER

I have changed this practice with a view to quicker and better results. Instead of going through the process of writing letters to employers, I have, with the co-operation of Deputy Commissioner Gernon, in charge of the Bureau of Inspection, arranged to have factory and mercantile inspectors, when they find an employer who violates the law requiring him to carry compensation insurance, serve him then and there with a notice directing him to appear before the Commission on a date certain, and show cause why he should not be prosecuted for failure to carry the insurance the law requires. The following is a copy of the form of notice now being served:

STATE OF NEW YORK
DEPARTMENT OF LABOR—STATE INDUSTRIAL COMMISSION
230 Fifth Avenue, New York City
BUREAU OF WORKMEN'S COMPENSATION

William C. Archer, Deputy Commissioner

To Date

.....,
.....,
.....

You are hereby requested to appear before this Commission at its office No. 230 Fifth Avenue, New York City (18th floor), on or before the day of, 19..., between the hours of 10 A. M. and 3 P. M., and show cause why proceedings should not be commenced against you for failing to carry the compensation insurance as required by Section 50 of the Workmen's Compensation Law.

Should you fail to appear as requested, and to furnish proof that you are carrying the insurance required by law, a prosecution will be commenced against you without further notice.

STATE INDUSTRIAL COMMISSION.

BERNARD J. SHIENTAG,
Counsel.

EDWARD F. BOYLE,
Chairman.

Served on,
Inspector.

A violation of Section 50 of the Workmen's Compensation Law requiring compensation insurance is a misdemeanor, punishable by a fine of not more than \$500, or by imprisonment for not exceeding one year, or by both such fine and imprisonment.

This plan has been tried out in the City of New York and has been very successful. There is a constant procession of employers to the Bureau of Compensation, day after day, to make arrangements to take out the required insurance. If an employer fails to appear, a prosecution is commenced against him. So successful has this method been in the City of New York that arrangements are now being made to extend its operation with slight modifications to up-State cities.

EXTENT OF THE PROBLEM

Mr. Archer points out in his report that while there are approximately 250,000 employers amenable to the compensation law, only about 67,000 are subject to inspection under the factory law, and certainly no more than a corresponding number come under the mercantile law. He says: "We are, therefore, without knowledge of how many employers are not insured in violation of the law. We suspect that there is a large number of 20,000 or 30,000."

I believe this is a modest estimate, but it shows that action by the Commission to remedy the condition is urgently needed

PROSECUTIONS

The failure to carry insurance as required by section 50 of the compensation law, is made a misdemeanor, punishable by a fine of not exceeding \$500, or by imprisonment for not exceeding one year, or by both such fine and imprisonment. Strange to say, however, this remedy had scarcely been resorted to before I took office. In fact for a period of one year, prior to May 1, 1919, I found that there were not more than six prosecutions commenced, resulting in two dismissals, two suspended sentences, and two fines aggregating \$15.

I immediately set about to correct this condition. One investigator had been appointed to the task of collecting the evidence on which to prosecute the uninsured employers. I urged Deputy Commissioner Archer to set up a division for this purpose in his Bureau. Up to the present three men have been assigned to this work in New York City,—a grossly insufficient number.

I arranged, in co-operation with Commissioner Sayer, to have Assistant Counsel Wilmot (who had been devoting all his time to the Bureau of Immigration and Industries) to give up a portion of his time to this most important task.

The following general rules for prosecutions in these cases were submitted by me to the Commission and received their approval:

1. Prosecution is to be commenced in every case where an employer coming under the law fails to carry insurance after being notified by the department.

2. Prosecution is to be commenced, although no warning notice has been sent to the employer:

(a) Where a large number of workers are employed;

(b) Where the employer has been in business for a considerable time;

(c) Where, regardless of the number of employees, and of the length of time he has been in business, the employer has at some time in the past carried compensation insurance and shown himself to be familiar with the law.

3. In cases which do not come under the foregoing, investigators should serve upon employers the form of subpoena that was prepared.

RESULTS OF RECENT PROSECUTIONS

On the whole, considerable progress is being made in connection with these prosecutions in the City of New York. I addressed a letter to the Honorable Frederic Kernochan, Chief Justice of the Court of Special Sessions, before whom these cases are tried, calling attention to the seriousness of the situation and urging the co-operation of the court. The response has been most gratifying.

From May 1 to November 30, 1919, with our very limited facilities, we commenced 139 such prosecutions in New York City. Fines were imposed in 60 cases, aggregating \$2,400. The fines ran from \$5 to \$200 and averaged about \$50 per case. There were 42 prosecutions still pending in the courts at the close of November. The report for next year will, I am sure, show results worth while on this important branch of our work.

ACTION LIMITED TO NEW YORK CITY

I regret to say that up to the present our efforts in these prosecutions have been confined to the City of New York. We have not the facilities to take care of the cases up-State, but I hope that before long, if the Legislature grants the increased staff asked for, we shall be able to devote some attention to this matter in the up-State districts.

PUBLICITY

I have tried in every way to give publicity to this matter and shall continue to do so, for it is greatly to the interest of

employers to carry the necessary insurance. Case after case has been brought to my attention where the neglect of a small employer to carry insurance (and it is he for the most part who violates that law) has resulted in his complete financial ruin because of a large award for compensation made against him.

REVIEW OF CLAIMS DISALLOWED BY DEPUTIES

Shortly after I became counsel, I addressed a communication to the Commission, recommending that no decision of a deputy disallowing a claim for compensation should be adopted by the Commission *pro forma*, but that every such case should be reviewed by a member of the Commission. I pointed out that this would involve no improper discrimination. We know that employers who are for the most part covered by insurance, are represented by counsel, who are familiar with their legal rights, who apply for rehearings and review by the Commission where they feel themselves aggrieved by the action of the deputy, and who are in a position to appeal from decisions of the Commission to the Appellate Division.

On the other hand, it is well known that claimants for the most part are ignorant of their rights under the law. They do not know enough to apply for a rehearing or review and are generally unrepresented by counsel. In fact it has always been the policy of the Commission to discourage the retention of counsel in compensation cases and to assure the claimants that their rights will be fully protected here. That being the case, and the claimants being too poor to pay the expenses involved in an appeal to the courts, it would seem to be our imperative duty to see that their rights are properly safeguarded.

I believe that this review would not entail any considerable amount of work by the Commission, for in most cases the question involved is comparatively simple. Mr. Jeremiah F. Connor, the Moreland Commissioner appointed by the Governor, subsequently adopted the recommendation that I had made to the Commission, but he suggested that these cases be reviewed either by a member of the Commission or by the Second Deputy Commissioner in charge of workmen's compensation. Some such method of review should be adopted. If necessary it should be applied in the first

instance to disallowed death cases and then gradually extended to the others.

It is significant to note that out of 1,815 death cases in which claims for compensation were filed during the period covered by this report, 309 were disallowed. During the same period 2,862 disability cases were disallowed, out of a total of 21,657 claims filed.

FAILURE OF EMPLOYERS TO FILE REPORTS OF ACCIDENTS

Section 111 of the Compensation Law provides that every employer shall keep a record of all injuries, fatal or otherwise, received by his employees in the course of their employment; and that within ten days after the occurrence of an accident resulting in personal injury, a report thereof shall be made in writing by the employer to the Commission upon blanks to be procured from the Commission for that purpose. The section further provides:

An employer who refuses or neglects to make a report as required by this section shall be guilty of a misdemeanor, punishable by a fine of not more than five hundred dollars.

The Deputy Commissioner in charge of workmen's compensation has on several occasions complained to me that his work, and the work of the Commission generally, were severely handicapped because of the failure of many employers to comply with this provision. Where an employer is covered by insurance, it is the usual, although not the universal, practice for him to send his reports of accident to the insurance carrier to be transmitted by it to the Commission.

Acting pursuant to a resolution recently passed by the Commission, at my suggestion, I have addressed a letter of warning to all insurance carriers and self-insurers to the effect that prosecutions would be commenced, under this section, against delinquent employers after the first of the year.

The replies that I have received were most encouraging and evinced a desire to co-operate with the Commission, which if carried out in practice will be very helpful. This is a matter which has not received the attention of the Legal Bureau in the past, but it certainly is deserving of our consideration.

AMENDMENTS TO THE COMPENSATION LAW GENERALLY

I would recommend the following amendments to the compensation law, in addition to those already set forth in this report:

1. The law should be extended to cover all employments except farm labor and domestic service.

2. The amount of compensation to injured workmen and their dependents should be increased along the lines of the bill on that subject submitted by the Commission last year, which passed the Assembly but failed to pass in the Senate.

3. The time for filing claims under the act should be extended from one to two years. The present Statute of Limitations has been found to work a real hardship in some cases. Section 28 should also be amended so as to meet the conditions in the Twonko case and the case of O'Esau vs. Bliss, by providing that an employer may be estopped by his acts and conduct from raising the bar of the Statute of Limitations.

4. Professional runners should be eliminated from appearing in compensation cases and such appropriate legislation as may be necessary should be introduced to carry this into effect.

5. The employer should be made liable for injuries to a workman coming under the act, sustained while in the employ of an independent contractor or subcontractor, where said employee is not covered by workmen's compensation insurance.

6. The present provision relating to dependency is working a hardship in cases where minors are killed in industrial accidents. The section should be broadened and made more liberal in such cases by providing that a parent be deemed dependent if the minor's wages were used in the ordinary support of the household. In determining whether or not a state of dependency exists, the time of the accident should not be the sole consideration, but the Commission should be permitted to make an award based upon the future earning capacity of the minor and what that would have meant to his family.

I believe the statute should provide for an award, where a minor is killed in an industrial accident, irrespective of whether a state of actual dependency exists at the time of the accident.

UP-STATE BRANCH OF THE LEGAL BUREAU

I believe that our efficiency would be greatly increased if we maintained a branch of our Legal Bureau in one of the up-State cities in which the Commission already has an office, either in the city of Syracuse or Rochester. This branch should have in charge one of the three assistant counsel who now devote their time to labor law prosecutions. He should have with him a junior assistant at \$2,500, a law clerk at \$1,800, and a stenographer at \$1,200.

The assistant counsel, with such help as he may require from subordinates above referred to and with the assistance of the counsel located in New York City, would devote all of his time to the prosecution of labor law violations in the up-State district save, perhaps, in localities closely adjacent to New York City. I believe that this would bring us in closer touch with the employers and the courts up-State and would secure better results in our cases.

This branch office would take care of all up-State prosecutions against employers for their failure to carry the compensation insurance now required by law which up to the present, because of our limited facilities, we have been unable to handle from New York City. This, in my opinion, is one of the most important duties that the Commission has to perform.

The office also would have complete charge of all up-State cases for the collection of unpaid awards to injured workmen and their dependents. The importance of this matter I have already discussed with the Commission.

The entire additional cost of this branch office of the Legal Bureau would not exceed \$5,500 and the benefits to the State would greatly exceed this expenditure.

BUREAU OF INDUSTRIES AND IMMIGRATION

For some time past an assistant counsel has been assigned to the Bureau of Industries and Immigration. The legal work in connection with that bureau will be found in a report submitted to the Commission by the bureau chief. In the future there will be closer supervision of this work by the counsel to the Commission.

CONCLUSION

I cannot conclude this report without an expression of my sincere appreciation of the splendid co-operation that I have received from those attached to this office. They have been conscientious and faithful in the performance of their duties and it has been a genuine pleasure to work with them.

I hope that the Legislature will see fit to grant the increases in salaries that I have asked for many of them, so that we may continue to retain their services with undiminished devotion to the work which they are called upon to do.

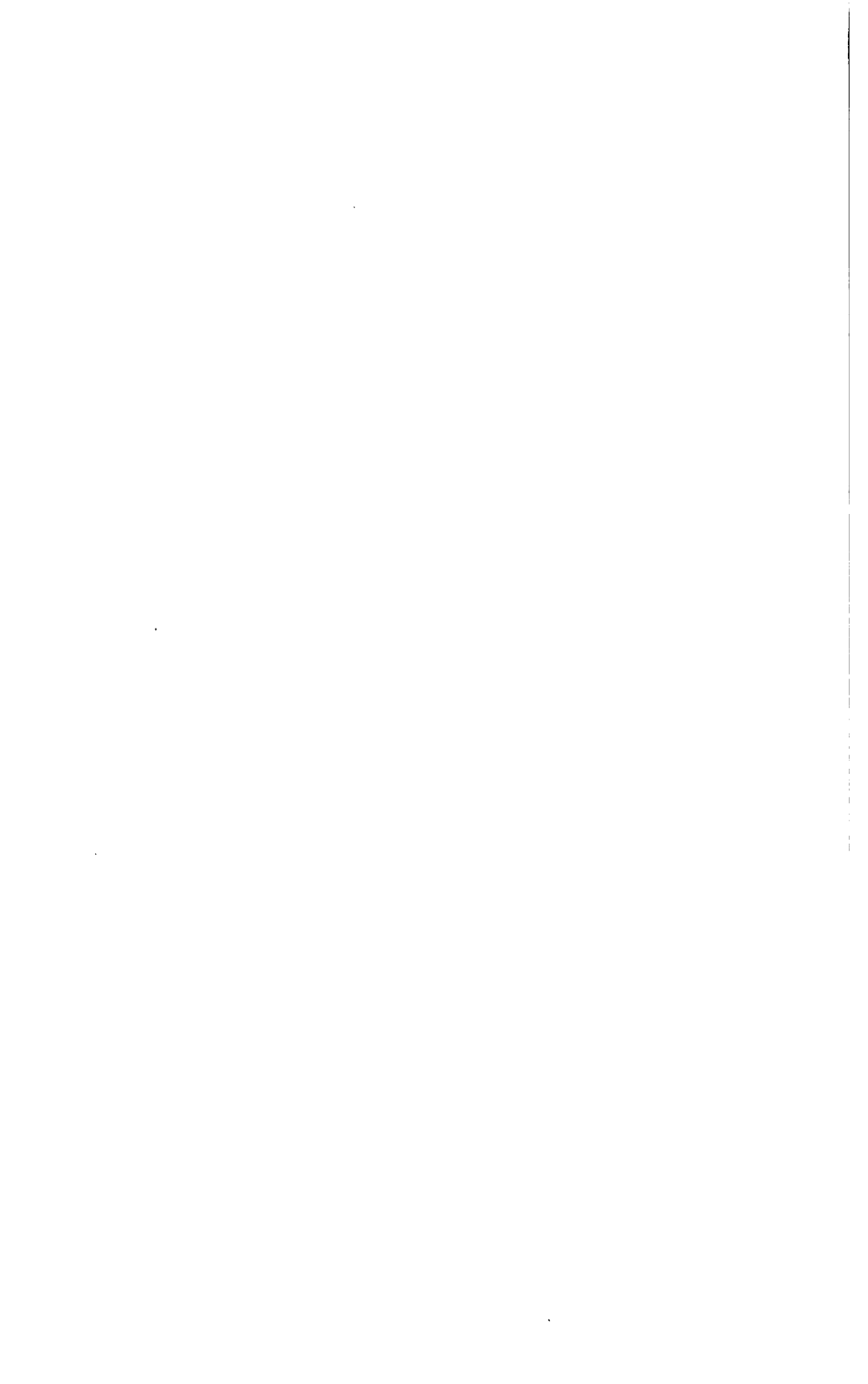
BERNARD L. SHIENTAG,

Counsel to the Commission.

PART XI

REPORT OF BUREAU OF WOMEN IN INDUSTRY

[305]



REPORT OF CHIEF IN CHARGE OF BUREAU OF WOMEN IN INDUSTRY

To the Industrial Commission:

Since September 1, 1918, a Bureau of Women in Industry has been a part of the Industrial Commission. Until May 1, 1919, because the Commission had no funds available to finance such a bureau, it was supported by voluntary funds.

WAR WORK

From September 1, 1918, to the signing of the armistice, the Bureau passed upon 32 applications for exemption from the night work law for women. These applications were referred to the Bureau from the Department of War, the secretary of which had wide powers to grant such variations under the emergency of speeding up production. In considering such applications the Bureau took into consideration:

- (a) The labor supply of the community
- (b) The kind of work the women would do
- (c) If permitting the women to work at night would increase production.

Not one variation was recommended, for after investigation it was proven that the inability to meet a maximum production was due to the inefficient handling of the labor problem. An extension of the working hours would only have accentuated the problem, instead of lessening it.

INDUSTRIAL REPLACEMENT OF MEN BY WOMEN

Immediately upon the cessation of war the Bureau, in order to comply with numerous requests from both official and unofficial bodies, made a study of the industrial replacement of men by women. The report of this study was issued in a sixty-nine page bulletin (No. 93).

The machinist trade was chosen for the study, since in this trade the greatest amount of replacement was supposed to have taken place, and machine work was comparatively new to women.

In replacing men, women did comparatively all the work previously done by men and from the testimony of employers, it was learned that the women on the whole made good. Most of the processes at first undertaken by women supplanting men were such as required no previous industrial experience. But, as time went on, training schools became necessary adjuncts to the large plants, as the opinion had been growing that women showing ability should be trained for the most skilled trades, and in the end women could be seen working on all kinds of skilled processes.

The wage of the woman replacing a man became a matter of deep concern to the Bureau of Women in Industry. For the most part, the woman received only about 75 per cent of the wage of the man, even when the output was the same. The stand taken by the employer was:

(a) That even though the output is the same, woman has not the same potential value as man. That is, she may handle a machine quite as efficiently as a man, but in case of an emergency, such as the breaking down of machinery, she is not able to meet it. This argument can be met by the statement that the most skilled men do not lose time by adjusting or mending machinery.

(b) That woman is not permanent in industry; she works only to bridge over the gap between school or college and matrimony.

But the Bureau of Women in Industry held that differentiation in pay ought not to be on a basis of sex, but rather on a basis of efficiency; that it is imperative, if we are to get the maximum production out of a given generation, that workers, whether men or women, should be chosen who are most efficient for the purpose; that it is a sheer national loss to employ women who are inefficient and thus paid less; that it only tends to increase discontent and unrest among the men workers to allow women to undercut and underbid them.

AID TO EMPLOYERS

During the ten months of its existence, the Bureau of Women in Industry has been called in by numerous employers to aid them in adjusting labor devices. It often meant the simple process of raising a lever, or the rearranging of machinery so that the most productive combination of male and female labor

could be made; the recommendation that a woman employment or personnel manager be engaged to aid the management in reducing the labor turnover; that adjustable seats be secured to reduce the strain of the too short or too tall girl; the matter of whether a woman should be limited to lifting twenty-five pounds, and so on through a long, long list. In short, the Bureau has aimed to act in an advisory capacity to employers; to be able to pass on the results of scientific studies made in the successful employment of women both in this country and abroad.

CANDY

In the spring the Bureau devoted itself to a study of the candy industry in New York State, particularly with relation to the public health, *i. e.*, public health so far as it is affected by sanitary conditions, cleanliness of workrooms, washing facilities and the health of the workers themselves. The outstanding feature of the study was the revelation that the regulation in the Sanitary Code requiring that all employers engaged in the manufacture of food shall have on file for every employee a health certificate of not more than six months' standing, was totally ignored in all second and third class cities, because the Public Health Council had not required its enforcement. New York City is not affected by this law, but there the health department has adopted the Sanitary Code of the Industrial Commission. Of the factories studied in New York City, about 60 per cent had complete files of their women.

The manufacturing of candy during the war was considered one of the essential industries. Candy has long been regarded as a necessary part of one's diet because of its food value, and an enormous amount of it is consumed. It is quite as important to safeguard the public from the dangers of disease or infected workers in the candy industry as in the manufacture of any kind of food. Recommendations to local Public Health Councils, calling their attention to this matter, are being prepared by the Bureau.

WOMEN IN TRANSPORTATION

One of the by-products of the war was the employment of women by transportation companies. Although transportation

was not essentially a war industry, yet women replaced men as guards, conductors, and ticket agents in very large numbers.

The Legislature of 1919 enacted a law giving the women employed by transportation companies the same protection as those employed in factories and department stores. There was not much apparent opposition to this bill by either employers or employees when it was introduced into the Legislature, but the moment the bill was to become a law, a cry went up from the women employees who said that, if the law were rigidly enforced, the majority of them would lose their positions.

In an effort to find out just what the situation regarding the employment of women in transportation companies was, the Industrial Commission requested the Bureau to make a study relative to the number of women who would lose their positions as a result of this law, and just what the policy of the transportation companies was previous to the enactment of this law. Only 17 per cent of the women employed on May 1 were employed without violating any section of the law. While 48 per cent were employed in direct violation of the night work law, the remaining were violating the law relating to the nine-hour day and consecutive hours. In almost any other industry the Bureau could have recommended that women be put on day shifts and men on night shifts, and arranged the runs so that a woman would not be required to work more than nine hours a day. But the seniority system exists in the transportation companies and under such a system the choicest runs go to those longest in the employ of the company, which means for the most part that these are men.

The great weakness of the law was that it was to go into effect immediately, without giving the employers ample time for adjustment or employees time to find other positions. The result of the enforcement of the transportation law will be watched with a great deal of interest and concern by the Bureau of Women in Industry. However, in drawing up legislation for industries such as the transportation service, which must operate continuously day and night with the familiar high peaks in the number of cars, it is obvious that a different kind of legislation than that modeled after our factory and mercantile laws is required.

PUBLICITY AND EDUCATION

Articles on the work of the Bureau of Women in Industry have appeared each month in the Bulletin. An effort has been made to make these articles as educational and constructive as possible, and without any exception excerpts of them have been carried in several up-State and New York City newspapers.

An exhibit on special safety devices and accident hazards for women was prepared for the Safety Congress at Syracuse last November. This exhibit, because of its educational value, has been placed in working girls' clubs, Young Women's Christian Associations, settlements, etc., throughout the year.

A more intensive educational campaign among the workers themselves is planned for the coming year. Since carelessness and lack of proper clothing plays such a large part in accidents to women, the Bureau believes a campaign of education among working women of the State is highly important.

CONCLUSIONS

The tragedy of the employment of women during the war was that so little was known regarding how much the human frame could stand, the processes upon which women were successful, and whether more or less legislation was necessary. The future work of the Bureau of Women in Industry will be along these lines. We, as a nation, have scarcely begun to understand the industrial situation. The needs of the working women must be interpreted on a scientific basis, while employers, as never before, require standards of employment. The flexibility of the Bureau makes it possible to meet the needs and demands as they arise. The Bureau of Women in Industry of the Industrial Commission should be the official body to blaze the trail.

NELLE SWARTZ,

Chief, Bureau of Women in Industry.

PART XII

**OPINIONS OF THE ATTORNEY-GENERAL CON-
STRUING PROVISIONS OF LABOR LAWS**

COMPILED BY THE BUREAU OF STATISTICS AND INFORMATION

NOTE.—In the following pages are printed all of the opinions rendered by the Attorney-General in construing labor laws during the year 1919. Similar opinions of earlier years may be found in previous reports of the Department. The opinions are here arranged under general subject headings. Section numbers in these headings refer to the general Labor Law. Opinions dealing with that law are placed first, arranged according to section numbers, followed by opinions referring to other laws.

OPINIONS OF ATTORNEY-GENERAL

PREVAILING RATE OF WAGES, BARGE CANAL CONTRACTS, SUPERINTENDENT OF PUBLIC WORKS' POWERS AND DUTIES (§§ 3, 21)

ALBANY, N. Y., May 5, 1919.

HON. CHARLES D. NEWTON, *Attorney-General, Albany, N. Y.*:

DEAR SIR.—Sometime since, Hon. James M. Lynch, of the State Industrial Commission, forwarded to this department copy of report made to the Commission by the Confidential Agent, which report alleged that several concerns holding contracts for barge canal work in the vicinity of Rochester were not paying the prevailing rate of wages for labor. The Confidential Agent's report alleged that the prevailing rate of wages for labor at Rochester and vicinity was \$.45 per hour. The matter was at once taken up with all of the barge canal contractors against whom the complaint had been filed and statements from them invited with the result that it was found that they were paying for labor at the rate of \$.40 per hour, which they argue is the established prevailing rate in that locality. Data in support of both contentions has been submitted to the department by Commissioner Lynch and by the contractors and the reports in hand are so conflicting that it is impossible for this office to determine which has the preponderance of evidence.

I am anxious to strictly enforce the provisions of the Labor Law and to compel the payment by all those holding contracts with the department of the prevailing rate of wages. Since the communication from the State Industrial Commission alleging a violation of the section must be considered by the department as advisory only, it seems to me that the Superintendent of Public Works, in view of the evidence offered by the contractors, is without power to make an arbitrary decision. To do so would involve a hearing, the calling of witnesses and in fact a proceeding in which the Superintendent of Public Works would constitute himself as judge, which it seems to me to be outside his statutory powers; and even if he should make a decision if it should be contrary to the contractors' contentions, they would have the right to resist in the courts any action which might be taken based on such decision.

I also note that the violations of the Labor Law, as reported, constitute criminal offenses, in that Section 3 makes each violation a misdemeanor. This further inclines me to the belief that the making of a decision on the disputed point comes more within the province of a judicial tribunal than an administrative department.

Therefore, in view of all the circumstances, I would request that you advise me as to the proper course to pursue that the Superintendent of Public Works may perform such duties as are required of him under the provisions of the Labor Law.

Yours very truly,

E. S. WALSH,

Superintendent of Public Works.

ALBANY, N. Y., May 12, 1919.

Hon. EDWARD S. WALSH, *Superintendent of Public Works, Albany, N. Y.*:

DEAR SIR.—The Attorney-General has received your letter of May 5, 1919. Whatever changes have been made in § 21 of the Labor Law since the opinion of this office rendered September 9, 1913, to the Comptroller have not affected the question which was dealt with in that opinion. The opinion held that the Labor Department's report of violations of the Labor Law to the state officer in charge of the work was advisory (*Keystone State Construction Co. v. Williams*, 152 App. Div. 575, *affd.* 207 N. Y. 767) and that the officer in charge of the work must himself determine whether there had been in fact a violation. While, for the proper determination of a state department, this involves a consideration of the evidence on both sides, the determination is not judicial but rather administrative, for the law does not provide for any hearing. The state officer in charge of the work is simply aided in reaching his determination by such evidence as he finds or is presented to him. If you should arrive at the conclusion that the law has been violated, you do not take proceedings to revoke the contract (as was provided in the statute before the amendment of 1916, Chap. 152) but you are to "take the proper proceedings to enforce compliance with the provisions of this article" which means that you are to take steps to see that the prevailing rate of wages is hereafter paid to the workmen on that contract. A forfeiture of the contract comes automatically after a conviction for a misdemeanor by the District Attorney whom the Commissioner of Labor may set in action (§§ 3 and 21).

Your determination that the contractor is violating the stipulation in the contract with respect to the payment of the prevailing rate of wages is made in the same way, administratively without a hearing, as the Canal Board or the Highway Commissioner makes a determination that the work is not being prosecuted according to the terms of the contract or for the best interest of the State (*Matter of Standard Bitulithic Co.*, 212 N. Y. 179).

Yours very truly,

CHARLES D. NEWTON,

Attorney-General.

DAY OF REST LAW (§ 8-a) DOES NOT APPLY TO SARATOGA RESERVATION DRINK HALL

The drink hall maintained and conducted by the Conservation Commission on the Saratoga Reservation, pursuant to the provisions of the Conservation Law, is neither a factory nor a mercantile establishment within the meaning of section 8-a of the Labor Law, and the Conservation Commission, in conducting said drink hall, need not comply with the requirements specified in subdivision 3 of said section.

INQUIRY

In operating the drink hall on the Saratoga Reservation, is the Conservation Commission bound to comply with subdivision 3 of section 8-a of the Labor Law?

OPINION

The State Reservation at Saratoga Springs is under the jurisdiction of the Conservation Commission. By statute the Commission is given the care, custody and control of the reservation. This responsibility it does not share with any other department of the state government. Upon this reservation there are several springs and wells producing mineral waters and gases, regarded as possessing properties of great value in the treatment of disease. The waters are utilized on the reservation, both for drinking and bathing purposes. The surplus waters are distributed, as far as practicable, by the sale of bottled waters outside the reservation. To accomplish this result, bottling works are maintained on the reservation, where the waters of different springs are bottled and labeled, and from which shipments are made to the outside world.

The various activities, above referred to, are operated directly by the Conservation Commission, through the agency of a general superintendent, with headquarters on the reservation, and who acts for the Commission in all matters involving the care and management of the entire reservation. Many persons are necessarily employed in the various departments of the work. The care and improvement of the grounds, as well as the construction and repair of buildings and equipment, call for the employment in considerable numbers of ordinary hand workers. The putting up and shipment of bottled waters is a distinct department of the reservation work. The men in this department are employed eight hours a day and six days in each week; but never on Sundays. The same may be said of the office force which works under the direction of the General Superintendent. In the bath houses, during the busy season, which extends from about June 1st to November 1st, such attendants are employed as are required in other similar institutions. At the Drink Hall, where some of the waters are consumed directly from the springs while the waters of other springs are bottled outside and brought there for free drinking purposes, drinking cups and bottled waters are served to the public by attendants who work in two shifts of eight hours each. The night watchman at the Drink Hall is on duty thirteen hours each night, and every night in the week.

The foregoing survey of the labor activities carried on upon the reservation work is sufficiently complete for the present purpose.

Section 8-a of the Labor Law (being Chapter 36 of the Laws of 1909, as amended), provides that every employer of labor engaged "in carrying on any factory or mercantile establishment in this state shall allow every person * * * employed in such factory or mercantile establishment at least twenty-four consecutive hours of rest in every calendar week." The same section provides further that "No employer shall operate any factory or mercantile establishment on Sunday unless he shall have complied with subdivision three." The requirements of this subdivision need not now be considered. By subdivision 2, janitors, watchmen and other classes of employees are excepted from the operation of the section.

On the 20th day of September, 1919, there was served on the Conservation Commission, by registered mail, a notice, dated September 18, 1919, requiring said Commission to comply with the provisions of the Labor Law, above referred to, and calling especial attention to the "State Reservation Drink Hall * * * Spring Street in the City of Saratoga Springs." From the service of said notice, it is plainly to be inferred that the State Industrial

Commission is of the opinion that said drink hall is either "a factory or mercantile establishment" within the meaning of section 8-a of the Labor Law. If this contention is well founded, then it goes without saying that the Conservation Commission is as much bound by its provisions, intended to conserve the health and well-being of the laboring man, as is any other employer of human labor.

It seems clear that the drink hall, located on the Saratoga Reservation, is in no sense a factory. By section 2 of the Labor Law, the term factory, as used in the statute, "shall be construed to include any mill, workshop or other buildings, sheds, structures or other places used for or in connection therewith, where one or more persons are employed at labor," etc. Certain immaterial exceptions follow. Outside of the Labor Law, the word "factory" has a very definite and well understood meaning. It is an abbreviation of the word "manufactory," which is "a building or collection of buildings appropriated to the manufacture of goods; the place where workers are employed in fabricating goods, wares or utensils; as a cotton factory." Imperial dictionary.

It should be noted that both in the statute and in the definition quoted from the dictionary, a factory is declared to be primarily a place. It is a mill, workshop or other manufacturing or business establishment. A manufacturing or business establishment is a place where manufacturing or business is carried on. The word "factory," as used in the statute, is to be taken in its ordinary sense. When we think of a factory, we have in mind a place where some kind of goods, wares or merchandise is fabricated by the aid of human hands.

It is evident that the phrase "business establishment" is limited to establishments where the fabrication of goods is to some extent at least, carried on. A bank is a "business establishment" but it is not a factory." Brokerage houses, pawn shops, insurance offices and many other kinds of business establishments which might be mentioned would never be thought of as being factories.

This is the view taken by the Court in *Shannahan v. Empire Eng. Corp.*, 204 N. Y. 543.

It seems equally clear that the drink hall is not a "mercantile establishment" within the meaning of the statute. The statute declares that the term "mercantile establishment," when used in the Labor Law, "means any place where goods, wares or merchandise are offered for sale." Here again common usage must be invoked. A mercantile establishment in common parlance, is simply a store. We speak of a grocery store, a dry goods store, a jewelry store, a department store. Here the things fabricated in the factory, or raised on the farm are offered for sale. The business of a merchant is selling merchandise for profit. It is a distinct and well understood business, and the place where it is carried on is called a store or mercantile establishment.

But who would even think of calling the drink hall on the Saratoga Reservation a store? Section 603 of the Conservation Law provides that "the commission shall make reasonable provision for the free drinking of said waters at points as near as shall be convenient to the respective sites of the springs producing said waters." Pursuant to this statute, a large and convenient drink hall is provided and maintained by the state, where the waters of certain springs are to be had directly at the source, and bottled waters from other springs are kept on hand ready for use by the visiting public.

Sanitary individual drinking cups are provided for those who wish to avail themselves of the convenience of the hall while drinking the waters of the springs. Tables, chairs and toilet facilities are provided. At all reasonable hours an attendant is on hand to distribute the cups and bottled waters and to furnish any information desired as to the qualities and therapeutic effects of the various waters. To partially reimburse the state for this service, a trifling fee of five cents is charged for admission to the hall. Once within the hall, all the facilities of the place are available to visitors, free of charge. There is no thought of profit. There is no thought of selling anything. The water is absolutely free, whether drawn from bottles or directly from the springs.

The purpose of maintaining a free drinking establishment seems to be, not only to minister to the health and comfort of people visiting the park, but also, through them, to carry to the public generally a better knowledge of the merits of the Saratoga waters.

There can be no reasonable doubt, therefore, that the Conservation Commission, in conducting the drink hall upon the Saratoga Reservation, in the manner and for the purposes above described, is not an employer of labor "engaged in carrying on any factory or mercantile establishment," within the meaning of section 8-a of the Labor Law. The facts are undisputed. Whether the case presented falls within or without the statutory definition is one of law; and in answering that question the rule has been followed, which was laid down by Judge Haight in *Sharp v. Bloomer*, 181 N. Y. 125, where in construing another provision of the Labor Law, he said:

"In construing this statute we should endeavor to ascertain its fair and reasonable meaning, avoiding a construction which either extends or limits its provisions beyond that which was evidently intended."

The Commission may, therefore, continue to serve the public at its drink hall, and employ labor in so doing, as it heretofore has done, without complying with the provisions of subdivision 3 of section 8-a of the Labor Law.

Dated December 9, 1919.

CHARLES D. NEWTON,
Attorney-General.

To Hon. GEORGE D. PRATT, *Conservation Commissioner.*

COMMISSION MAY CLASSIFY SAFETY INSPECTORS AS FACTORY INSPECTORS RELATIVE TO SALARY INCREASES (§§ 42, 49-a, 56, AND WORKMEN'S COMPENSATION LAW, § 104)*

NEW YORK CITY, July 25, 1919.

HON. EDWARD P. LYON, *State Industrial Commission*, 230 Fifth Avenue, New York City:

DEAR COMMISSIONER LYON.—My attention has been called by Mr. Newell, Chief Safety Engineer of the State Fund, to an act passed by the last legislature providing for the automatic increase of the salaries of factory and mercantile inspectors. This act, Senate number 136, 494, 912, Assembly

* The Legislature of 1920 passed a bill which adds a new subdivision 3 to section 54 of the Labor Law to provide the same grades and salaries for State Fund Safety Inspectors as for Factory Inspectors. The bill was approved as Chapter 604 by the Governor on May 10, 1920, effective July 1, 1920.

258, Int. 254, final number 1636, amends section 54 of article of the Labor Law. A similar provision increases the salaries of the mercantile inspectors in the same way except that the fourth grade (\$2,000) is omitted. The act went into effect July 1, 1919, and carried with it an appropriation of approximately \$27,000 to provide for the increase.

There seems to be no reason why the safety inspectors of the State Fund and the factory inspectors of the Labor Department should not be placed on the same basis and treated in the same way with respect to salary increases. The former are appointed from civil service lists as the latter, and when a vacancy occurs in the State Fund inspection staff, it is necessary to fill it from the eligible list of factory inspectors. Unless the safety inspectors of the State Fund are assured of the same salary increases that are available for factory inspectors under the new act, it will be difficult for the State Fund to secure and retain an efficient force of safety inspectors.

I am bringing this matter to your attention with the suggestion that, if you approve, a ruling of the Attorney-General be requested on the question whether the new act should be construed to include safety inspectors of the State Fund.

Yours very truly,

F. SPENCER BALDWIN,

Manager State Insurance Fund

NEW YORK CITY, July 31, 1919.

HON. CHARLES D. NEWTON, *Attorney-General, Albany, N. Y.:*

DEAR SIR.—I am enclosing herewith copy of a letter from Mr. F. Spencer Baldwin, relative to the recent enactment increasing the salaries for factory and mercantile inspectors, and asking whether this would not apply to his safety inspectors of his department.

I should be glad if you should give me your opinion in the matter so that it can be taken up with the proper authorities, if the safety inspectors of the State Fund are entitled to increased salaries.

Yours very truly,

EDWARD P. LYON,

Commissioner.

ALBANY, N. Y., December 8, 1919.

STATE INDUSTRIAL COMMISSION, *Albany, N. Y.:*

GENTLEMEN.—At the request of Commissioner Lyon, I have examined the question of whether your "Safety Inspectors" in the Workmen's Compensation Bureau should be regarded as "Factory Inspectors" for the purpose of paying them or permitting them to claim for salaries at the rates fixed in § 54 of the Labor Law, as amended by L. 1919, ch. 403.

As provided for in § 42 of the Labor Law and under the general powers enumerated in § 49-a of the Labor Law, the Commission may appoint such

assistants and employees as may be necessary for the exercise of its powers and duties, both under the Labor Law and the Workmen's Compensation Law, and shall prescribe their duties and fix their salaries which shall not exceed in the aggregate the amount annually appropriated by the Legislature for that purpose. Under § 56 of the Labor Law, the Commissioner of Labor may assign any factory inspector to inspect any special class or classes of factories.

The only provision with respect to inspectors in the Workmen's Compensation Law is in § 104, which grants the Commission the right to inspect plants and establishments, and provides: "The inspectors designated by the Commission shall have free access, etc."

It seems to me that the Industrial Commission has had power to assign factory inspectors to make the inspections provided for by § 104 of the Workmen's Compensation Law. On the other hand, under § 49-a of the Labor Law the Commission has always had power to create positions, other than those provided for in § 54, of Special Inspectors for the purpose of enforcing the Workmen's Compensation Law.

The fact that the inspectors doing the work under § 104 of the Workmen's Compensation Law are designated "Safety Inspectors" in the department and in the appropriation bill, does not assist me in concluding one way or the other upon the question before me. Such designation might well have been merely a matter of convenience to avoid confusion and without any intent to indicate that the positions so designated were regarded by the Commission as different positions from those of Factory Inspectors under § 42 of the Labor Law.

I believe that the Industrial Commission could have followed in the past, and might still follow, either of the two courses indicated. To determine which one has been followed, we must first find out the intent of the Commission, and nothing appears to me to indicate that intent. The Commission, however, should be deemed able to declare the intent with which its own administrative acts were performed and I, therefore, advise you that the Commission may declare the intent with which it has acted in the past, and by such declaration settle the question of whether the Safety Inspectors are Factory Inspectors assigned to special duty, or whether they hold entirely different positions.

Yours very truly,

CHARLES D. NEWTON,

Attorney-General.

RIGHTS OF STATE EMPLOYEES RETURNING FROM MILITARY SERVICE (MILITARY LAW, § 245)

Rights of returning soldiers under section 245 of the Military Law considered.

STATEMENT

Several departments have requested a comprehensive opinion upon the rights of returning soldiers who are state employees, under the provision of section 245 of the Military Law as amended by chapter 435 of the Laws of 1917, known as the Fenner Law.

OPINION

Attorney-General Lewis rendered several opinions upon this subject, which are printed in the report of the Attorney-General for 1917 at pages 211, 240, 245, 250, 318, 376 and 408. They are concerned more with the rights of civil employees *while in* military service than with their rights upon returning therefrom; but the arguments and conclusions in those opinions indicate indirectly the solution of several questions which may arise in cases of returning soldiers.

To a State or municipal employee who entered military service under stated conditions, the statute accorded a certain protection: it entitled them to absent themselves, while upon ordered military duty, from their (civil) duties, without prejudice *by reason of such absence* in respect to any rights and privileges as civil employees, particularly enumerating vacation and holiday privileges and rights in matters of continuance in employment, promotion, reappointment and re-employment. It also protected them against financial prejudice by providing that during their absence they should be paid by the State or municipality the difference between their civil and military compensations.

The whole spirit of the statute indicates that its intent is that a civil employee entering military service, under stated conditions, shall be treated, as respects his rights and privileges as civil employee, just as if he were not absent but were regularly attending to his civil duties. But there is nothing in the statute indicating any intent to treat civil employees in military service any *better* than if they were not absent. The theory is that of disregard of the absence. If we bear this in mind most of the questions now arising are fairly simple of solution. A man shall not be prejudiced *by reason of his absence*, but possibly he may be for some other reason — he is subject to the same vicissitudes as if he had not joined the army.

A civil employee, entitled to the benefits of this statute, may not be removed *by reason of his absence*, but, as pointed out by Attorney-General Lewis (1917, pp. 319, 378) his service may be terminated for other reasons. The term for which he was appointed may expire. The work he was employed to perform may be completed, or abandoned. If his position bear a confidential relation to the head of the department, and there be a change of administration, he may not have the confidence of the new superior and may be replaced by someone having such confidence. In State departments, there may be a lack of appropriation to pay his salary. Or for reasons of economy his position may be abolished. In any of these cases he would have lost his position had he remained at home attending to his civil duties, so if he loses it during or shortly after his absence, it cannot be said that he lost it *by reason of his absence*, the absence really having nothing to do with it.

Of course an employee in military service, or returning therefrom, has the same rights under the Civil Service Law as if he had not gone. If he be a veteran of the Civil War or the Spanish War or a Veteran Volunteer Fireman, he cannot be removed without a hearing. If in the competitive class or the head of a bureau or a regular clerk, in the city or county service of New York City, he cannot be removed without an opportunity to explain. If the position of a veteran be abolished, he is entitled to be placed on a special list, and transferred to any vacancy, under section 22 of the Civil Service Law, and his absence on military duty neither adds to nor subtracts from his rights.

If there be several similar positions in a department and some of them are abolished while some incumbents are absent upon military duty, it is within the jurisdiction of the head of the department to say who is to go, just as if there had been no war. In such case an absentee and his substitute (if there be one) are regarded as indetical until the absentee returns, when he becomes the regular employee and his substitute a supernumerary.

Where there have been two or more successive incumbents of the same position in military service at the same time, we must give careful regard to the conditions under which each was appointed. If A, a regular employee in the competitive class, entered military service under the conditions named in the statute, and B were appointed from a competitive list, in the regular way—not provisionally or temporarily—B's appointment would be a regular permanent appointment, subject only to the rights of A upon his return. If A never returns, B is the regular appointee, and holds until the expiration of the term, the abolition of the position, or his removal, as the case may be. Now, if B were in turn drafted, and C appointed in his place, B gets the pecuniary benefit of section 245, while absent, and also the right to hold the position and return to it without prejudice *until A's return*. So if B returns before A, he resumes his position, and C becomes supernumerary. But if A returns before B, all rights of the latter cease forthwith (unless he be transferred or appointed to another position) for his appointment was always subject to termination by the return of A, whether that occurred before or after his own return.

The statutory protection against diminution of vacation or holiday privileges does not mean that a civil employee is considered as saving up and accumulating his vacation and holiday time, during all his military service, for the purpose of claiming it all after his return. He will be considered as having had normal vacations and holidays, by furloughs while in military service, to take care of his current rights—the statute protects him against diminution of holidays or vacations *after* his return, because of time lost during his absence. In other words a man shall not have his vacation cut down next summer because he was away from the office on military duty last fall.

The statute provides that a civil employee entitled to its benefits shall not be prejudiced "during the period of the present war and for a period of two months thereafter" by reason of his absence. This does not mean, as some have thought, that a man shall not be prejudiced for two months after his absence terminates, nor does it mean that he may claim the benefit of the statute without reporting for (civil) duty for two months after his discharge from the army. It does not give him two months vacation. What it does is to extend the protection to the length of his stay in the army, up to two months after the end of the war, and to stop it there. If a man elects to remain in military service (or if he has obligated himself to by a long term enlistment) after the country is again at peace, he cannot expect the state to continue to pay him and to keep his position open for him indefinitely. To settle definitely the time when these rights would expire in men not yet returned, and for no other reason, were these words put in the statute. After his discharge from the army, a civil employee claiming the right to return to his position, should report within a reasonable time, taking into consideration the time necessary to get from the place where he was discharged to the place of his position, his physical condition, etc. The head of a

departemnt would be perfectly justified in reinstating an employee a week after his discharge from the army, without inquiring into where he had spent the intervening time; and he would be equally justified in refusing to reinstate a man who absented himself for two months after his military discharge—just as he could remove that man for absence without leave from his civil duties in time of peace. Where to draw the line is a question to be solved by the head of each department, applying the rule of reason to all the circumstances in each case, in the same way as he decides when and when not to remove an employee for absence without leave in time of peace.

The ordinary power of the head of a department over his employees is not abridged by this statute except in that he cannot prejudice them *by reason of absence on military duty*. Where he has power to transfer an employee from one place to another—as the State Engineer, the Commissioner of Highways and the Superintendent of Public Works are continually and necessarily doing—that power is not restricted by the Fenner Law. If the State Engineer can transfer an engineer from Utica to Buffalo in time of peace, he is not prevented by the absence of that engineer in the army, and the engineer who had been stationed at Utica when he enlisted may find himself transferred to Buffalo on his return, and has no more right to protest than he would have had to resist a transfer had he never joined the army.

Where promotions or increases of salary are automatic under a statute or departmental rule, depending merely upon length of time in the service, time spent in military service counts as much as time spent in the office, for the absence is disregarded. So increases of salary according to a regular sliding scale or promotions according to departmental rule, should extend to absentees and they should have the benefit of increase of salary under such promotions, not only from the time of their return but from the time they would have got them, had they remained at home and performed all the duties of their positions.

Similarly, where promotions are made according to the judgment of a superior, and not according to a settled scheme, that superior may promote a man in spite of his absence—and if he obeys the spirit of the law, the head of a department will omit from consideration such absence, in determining whether or not to make a promotion in any case.

Where a term of office expires during a military absence, the appointing power may reappoint or not—just as if there were no absence, and for the same motives and considerations as if there were no absence.

Dated, *January 22, 1919.*

CHARLES D. NEWTON,

Attorney-General.

EMPLOYEES OF ARMORIES HOUSING BATTALIONS ENTITLED TO SIX DOLLARS A DAY (MILITARY LAW, § 189)

Under § 189 of the Military Law, as amended by Laws of 1919, ch. 640, armorers, etc., in armories housing battalions, are entitled to six dollars per day.

INQUIRY

Section 189 of the Military Law, as amended by L. 1919, ch. 640, provides that employees in armories shall be paid at rates as follows:

"When employed in armories or arsenals housing or quartering brigade headquarters, regiments, *battalions*, squadrons, batteries, naval battalions, field hospitals, or signal corps, armories, janitors, electrician and engineers *six* dollars per day; when employed in armories housing or quartering *battalions*, separate companies or separate troops * * * *five* dollars per day."

To what sum are such employees, in armories housing battalions entitled?

OPINION

It is obvious that there was an error made in the drafting of the amended section, the word "*battalions*" appearing in two places completely inconsistent with each other. An examination of the forms which the bill took in the legislature before final passage shows, however, what the real intent must have been.

As originally introduced (Assembly Int. No. 273, Print 277), no distinction in rate of pay was made between armorers, etc., in armories housing stated organizations and those in armories housing other stated organizations. This bill passed the Assembly, but when it reached the Senate it was amended (cf. Senate, Print No. 1239) providing that the stated employees should be paid:

"When employed in armories or arsenals housing or quartering regiments, batteries, or signal corps * * * *six* dollars per day; when employed in armories housing or quartering *battalions* or separate companies * * * *five* dollars per day."

This did not satisfy the legislature, for the bill was soon reprinted (Sen. Pr. 1495) and this time brigade headquarters had been added to the category of organizations in the six dollar class. Still it did not satisfy, and it was once more amended (Sen. Pr. 1694), adding battalions, squadrons, naval battalions and field hospitals to the six dollar class. The bill passed in this form, and after it had become a law, it was discovered that battalions still appeared in the five dollar class as well as in the six dollar class. It is obvious that the intent of the legislature was to put battalions, with squadrons, naval battalions, and field hospitals, into the six dollar class, and the failure to strike battalions out of the category of organizations in the five dollar class must have been due to inadvertence.

I think the intent of the legislature is clearly shown by the last change in the form of the bill. I am satisfied that they intended armorers, etc., in armories housing battalions to receive six dollars a day, and that the statute should be construed with that intent.

Dated, October 30, 1919.

CHARLES D. NEWTON,
Attorney-General.

TO COL. FRANKLIN W. WARD,

Secretary, Armory Commission, Albany, N. Y.

**MUNICIPALITY TO PAY REGULARLY EMPLOYED DAY LABORER
TWENTY-FIVE DOLLARS PER MONTH DURING ABSENCE UPON
WAR SERVICE (MILITARY LAW, § 245)**

BATAVIA, N. Y., April 29, 1919.

Hon. CHARLES D. NEWTON, *Attorney-General, Albany, N. Y.:*

MY DEAR GENERAL.—I am submitting to you for an opinion the following facts:

Mr. Antonio DeCaprio was for two or three years employed by the village of Batavia as a day laborer, i.e., he worked whenever there was work for him to do, and was employed most of the time. Four years ago the Village of Batavia became incorporated as the City of Batavia by Chapter 354 of the Laws of 1914, and succeeded to all of the rights, duties and privileges of the village. DeCaprio continued to be employed in the same manner, as a day laborer, until September 27, 1917, when he was inducted into the service of the United States. He was paid every two weeks for such days as he had worked during the preceding two weeks at the prevailing price per day. His term of employment ended every night when his day's work was done. He now asks that the city pay him \$25.00 per month during the time he was in the service, under Section 245 of the State Military Law. Of course he was employed by the Commissioner of Public Works when he needed him and might or might not have been employed during the term mentioned, as the needs were and the Commissioner saw fit, but it is only fair to say that he probably could have been employed most of the time, if he had seen fit to work for the city, but he was not bound to work any day or time for it unless he saw fit and the city was not bound to have him.

His attorney, Mr. Corti, and I differ in our application of the law to this case and would be pleased if you would give us an opinion whether the city is liable and ought to pay in this case.

Truly yours,

JAMES A. LESEUR,

City Attorney.

ALBANY, N. Y., May 6, 1919.

JAMES A. LESEUR, *City Attorney, Batavia, N. Y.:*

DEAR SIR.—Replying to yours of April 29, 1919, with respect to the case of Antonio DeCaprio, I must advise you that I consider him entitled to the protection and benefits of § 245 of the Military Law.

Attorney-General Lewis held in similar circumstances that laborers were entitled to the protection of the section. It is hardly fair to say that the term of employment of a laborer ends every day, when he is employed with great regularity for years. I think he was a regular employee, hired to do what work might be necessary, and payable on the basis of the number of days he worked. This is indicated by the fact that he was paid, not every night, but fortnightly.

In view of the language of the last sentence of § 245 of the Military Law, I consider the man's claim just, provided his average pay from the city exceeded his military pay.

Yours very truly,

CHARLES D. NEWTON,
Attorney-General.

**NEW YORK CITY ARMORY EMPLOYEES NOT ENTITLED TO PAY
INCREASE (L. 1919, ch. 602)**

NEW YORK, May 19, 1919.

HON. CHARLES D. NEWTON, *Attorney-General, Albany, N. Y.:*

DEAR SIR.—May I ask the favor of your opinion on the following:

Are employees in the armories of the City of New York; viz., armorers, janitors, engineers and laborers who were appointed in accordance with the Military Law of the State of New York, entitled to the increase in pay allowed in the bill introduced by Senator Lockwood concerning state employees?

Respectfully,

JOHN H. ALLEN.

May 26, 1919.

MR. JOHN H. ALLEN, 1122 *Franklin Ave., Bronx, N. Y.:*

DEAR SIR.—Replying to your letter of May 19, 1919, I advise you that chapter 502 of the Laws of 1919, known as the Fearon-Lockwood Law, applies, by its terms, only to "persons employed and paid by the State of New York." The armory employees in the City of New York, being paid by the city, do not come within the provisions of the law.

Yours very truly,

CHARLES D. NEWTON,
Attorney-General.

GARNISHMENT — STATE EMPLOYEE'S EARNINGS INCLUDE MAINTENANCE — GARNISHEE'S DUTY (CODE OF CIVIL PROCEDURE, § 1391)

Maintenance allowed to state employee should be considered together with his money compensation in determining whether his earnings amount to twelve dollars or more per week, for the purpose of execution under the Code of Civil Procedure, § 1391.

Officers to whom garnishee orders are directed should obey the orders and leave any attack upon their validity to the judgment debtor.

INQUIRY

Where a State employee receives a salary of less than twelve dollars per week but is entitled to maintenance which, figured at twenty dollars per month, makes his total compensation exceed twelve dollars per week, is his

salary subject to execution by garnishee order under § 1391 of the Code of Civil Procedure?

OPINION

The salaries of state employees are subjected to execution under § 1391 of the Code of Civil Procedure by § 2-a of the State Finance Law.

Section 1391 of the Code of Civil Procedure provides for execution by garnishee order "where a judgment has been recovered and where execution issued upon said judgment has been returned wholly or partly unsatisfied, and where any wages, debts, earnings, salary, income from trust funds or profits are due and owing to the judgment debtor, or shall thereafter become due and owing to him to the amount of twelve dollars or more per week." That the maintenance allowed to certain state employees, for example, those in the state hospitals, which is undoubtedly worth twenty dollars a month (the amount at which it is ordinarily commutable) is properly classified as "wages" might be open to some question, but it undoubtedly comes within "earnings". In the case of *Burns v. Maurer*, 72 Misc. 481, a hotel employee received as compensation forty-five dollars per month, and his board, and Judge Taylor in the Erie County court held that the word "earnings" embraces a larger class of credits than the term "wages" and he held that the board allowed the employee was part of his "earnings". I know of no other decision upon this question but there is no basis for questioning the authority of this one which seems, upon its face, sound.

It is not the business of state officers to go into the allegations of fact which may have given rise to the issuance of garnishee orders. When a garnishee order is served upon a state officer he should obey that order and leave to the judgment debtor the business of resisting it or having it vacated.

Dated November 5, 1919.

CHARLES D. NEWTON,

Attorney-General.

To STATE HOSPITAL COMMISSION, *Albany, N. Y.*

SALARIES OF EMPLOYEES IN STATE CHARITABLE AND CORRECTIVE INSTITUTIONS (L. 1919, Chs. 177, 270)

ALBANY, N. Y., July 11, 1919.

HON. CHARLES D. NEWTON, *Attorney-General, Albany, N. Y.:*

DEAR SIR.—Section 8 of Chapter 177 of the Laws of 1919 provides as follows:

In case of vacancy occurring during the fiscal year commencing July first, nineteen hundred and nineteen, in any position where an increase of salary has been granted by this act over that fixed for the position by chapter one hundred and fifty-one or by chapter five hundred and seventy-one of the laws of nineteen hundred and eighteen an appointment to fill such vacancy shall not be made at a salary greater than that fixed for the position by chapter one hundred and eighty-one of the laws of nineteen hundred and seventeen, unless it is filled by promotion from the employees within the department, board, commission, office, or institution where such vacancy shall occur, or by transfer from a subordinate position in another department, board, commission, office or institution. If a promotion be made within a

department, board, commission, office or institution, or a transfer be made from another department, board, commission, office or institution, to a position other than a new position for which the salary is appropriated by this act, the person appointed to such position shall not receive a salary or compensation exceeding by more than twenty per centum the salary or compensation of the subordinate position from which such promotion was made.

Chapter 270 of the Laws of 1919 qualifying the foregoing provides as follows:

So much of the provisions of section eight of chapter one hundred and seventy-seven of the laws of nineteen hundred and nineteen which relates to the salary to be paid to persons appointed to fill vacancies in, or promoted or transferred to, existing positions, in the fiscal year beginning July first, nineteen hundred and nineteen, being the concluding paragraph of such section, shall not apply to educational institutions or to agricultural experiment stations, or to common labor, or to places where a statute other than such chapter fixes the salary or compensation.

The following institutions reporting to the Fiscal Supervisor are either entirely educational in character or carry on extensive scholastic or industrial training as part of their several functions:

Western House of Refuge for Women, Albion, N. Y.
 N. Y. State School for the Blind, Batavia, N. Y.
 N. Y. State Reformatory for Women, Bedford Hills, N. Y.
 N. Y. State Reformatory, Elmira, N. Y.
 N. Y. State Training School for Girls, Hudson, N. Y.
 State Agricultural & Industrial School, Industry, N. Y.
 Thomas Indian School, Iroquois, N. Y.
 Eastern New York Reformatory, Napanoch, N. Y.
 Newark State School for Mental Defectives, Newark, N. Y.
 House of Refuge, Randall's Island, N. Y.
 Rome State School for Mental Defectives, Rome, N. Y.
 Craig Colony for Epileptics, Sonyea, N. Y.
 Syracuse State School for Mental Defectives, Syracuse, N. Y.
 Letchworth Village, Thiells, N. Y.
 N. Y. State Hospital for Crippled and Deformed Children, West Haverstraw, N. Y.

The following institutions reporting to the Fiscal Supervisor conduct no scholastic or educational functions:

N. Y. State Soldiers and Sailors' Home, Bath, N. Y.
 N. Y. State Women's Relief Corps Home, Oxford, N. Y.
 N. Y. State Hospital for Treatment of Incipient Pulmonary Tuberculosis, Ray Brook, N. Y.

Section 17 of the Finance Law, provides that the "Salary Classification Commission" composed of the Comptroller, the President of the State Board of Charities and the Fiscal Supervisor of State Charities, shall from time to time classify into grades the officers and employees of the various institutions reporting to the Fiscal Supervisor and recommend such changes in salaries to the Governor as to them may seem proper and when approved by the Governor shall be effective.

The Salary Classification Commission in compliance with this authority changed the schedule and fixed the salaries from July 1, in the several institutions.

Will you kindly give me your opinion whether, in view of the above recited facts and statutes, all the employees in all the institutions reporting to the Fiscal Supervisor are not excluded from the operation of the limitations as to increased salaries of Chapter 177 of the Laws of 1919 by virtue of the qualifying enactment of Chapter 270.

Yours respectfully,

F. R. UTTER,
Fiscal Supervisor.

ALBANY, N. Y., September 2, 1919.

FRANK R. UTTER, Esq., *Fiscal Supervisor, Albany, N. Y.:*

DEAR SIR.—Replying to yours of July 11, 1919, with respect to § 8 of Chapter 177 of the Laws of 1919 and to Chapter 270 of the Laws of 1919, I must advise you that I consider that the exception made by Chapter 270, which applies only to educational institutions, agricultural experiment stations and to common labor, cannot have the effect of excepting from the operation of § 8 of Chapter 177 the employees (other than common laborers) in any of the institutions named in your letter, except the New York State School for the Blind at Batavia. The School for the Blind is primarily an educational institution. It is incorporated under the Education Law and is a charitable institution in so far only as it pays for the support of indigent inmates. I have no doubt it is an educational institution within the meaning of Chapter 270. All the other institutions named by you, which carry on scholastic and industrial training, are primarily charitable or corrective institutions in which education is a secondary matter, as indicated by the fact that they are incorporated under the State Charities Law, not under the Education Law, and are managed by the State Department of Charities and not by the Department of Education. I do not think they could be classified as educational institutions within the meaning of Chapter 270. The State Agricultural and Industrial School at Industry is not an experiment station as that phrase is used in Chapter 270, the latter referring to experiment stations provided for by the Agricultural Law.

The Soldiers and Sailors' Home, the Women's Relief Corps Home and the Ray Brook Hospital can in no way claim to be either educational or agricultural experiment stations.

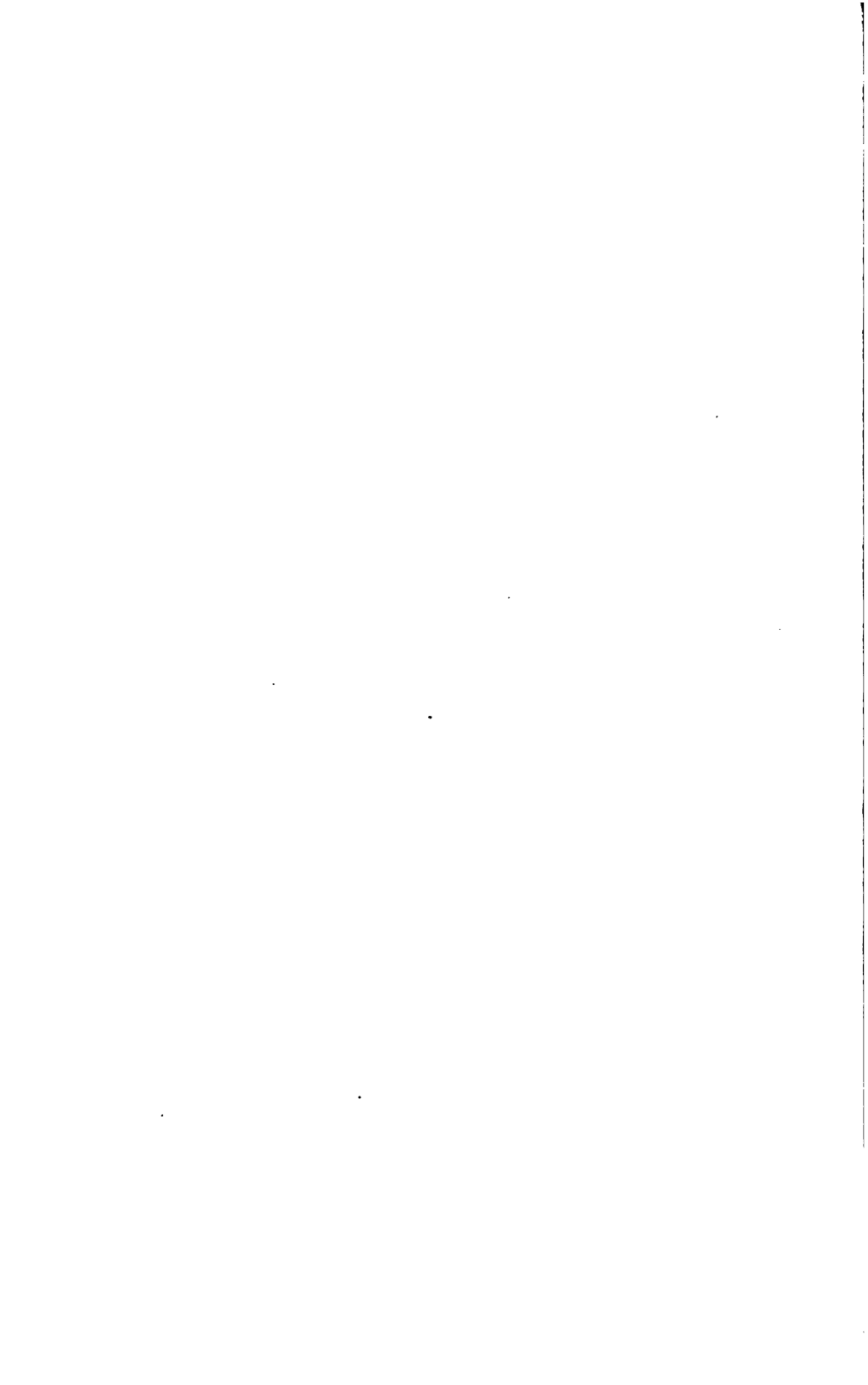
Chapter 177 of the Laws of 1919 fixes the salaries of the employees in the institutions named. It fixes them largely in accordance with the classifications made by the Salary Classification Commission but in final analysis, the Appropriation Bill controlling, I consider that the salaries are not fixed by a statute other than such chapter and therefore that they are not excepted by Chapter 270 from the operation of § 8 of Chapter 177 of the Laws of 1919.

Yours very truly,

CHARLES D. NEWTON,
Attorney-General.









HON. CARL S. BURR, OF COMMACK, L. I.
President and Member of the Board of Governors of the U. S.
Volunteer Life Saving Corps, Ex-Senator N. Y. State.

STATE OF NEW YORK

ANNUAL REPORT

OF THE

**United States Volunteer Life
Saving Corps**

1917-1919



ALBANY
J. B. LYON COMPANY, PRINTERS
1920

**ANNUAL REPORT OF THE UNITED STATES VOLUNTEER
LIFE SAVING CORPS FOR THE YEAR END-
ING DECEMBER 31, 1917.**

HEADQUARTERS, ROOM 366, MUNICIPAL BUILDING,
NEW YORK CITY.

To the Legislature of the State of New York:

GENTLEMEN.—The officers and directors of the United States Volunteer Life Saving Corps for the Department of the State of New York hereby transmit their report of the work of the organization for the year ending December 31, 1917, which they submit for your consideration.

CARLL S. BURR,
President.

BOARD OF GOVERNORS.

HON. CARLL S. BURR, JR.....Suffolk, N. Y.
HON. W. W. COCKS.....Suffolk Co., N. Y.
HON. CHAS. H. SCOTT.....New York City
HON. MARCUS M. MARKS.....New York City

OFFICERS.

CARLL S. BURR, JR.....President
CHAS. H. SCOTT.....Secretary
CHAS. E. RAYNOR.....Superintendent
IDA OSBORNE.....Assistant Secretary

REPORT.

SOME THINGS THE U. S. LIFE-SAVING CORPS HAS DONE.

Lives Saved in Various Ways Up To 1905 Is 6,776.

	Rescued	First Aid	Assisted	Boats	Bodies	Animals	Wreckage
1905	324	....	....	....	....	....	....
1906	460	98	111	....	....	....	....
1907	242	128	316	80	....	....	....
1908	325	340	305	123	....	....	....
1909	268	847	716	223	....	11	....
1910	283	565	238	135	20	12	....
1911	190	850	483	106	19	20	....
1912	212	1,978	392	126	12	13	....
1913	325	4,267	531	213	17	4	....
1914	431	8,441	964	320	30	6	109
1915	424	6,027	770	379	13	1	1,122
1916	425	5,016	777	385	14	2	1,996
<hr/>							
Total ...	3,909	28,559	5,603	2,090	125	69	3,227
<hr/> <hr/>							

IN THE YEAR 1917 THE WORK OF THE CORPS CONSISTED OF

Actual rescues from drowning.....	421
"First Aid"	6,604
Boats assisted	315
Persons assisted from disabled boats.....	919
Bodies recovered	36
Animals saved	9
Pieces of wreckage, sufficiently large to damage a boat taken out of harbor.....	399
Fires extinguished	6

LOG REPORTS.

NEW YORK CITY

HEADQUARTERS DIVISION.

FIRST AID

HEADQUARTERS MUNICIPAL BUILDING

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Jan.	2. Miss Ida Osborne	Municipal Building	Miss Cullin
	2. Captain Wm. F. Linderman	Municipal Building	Samuel Einstein
	2. Commodore Joseph Mers	Municipal Building	A. Fellman
	4. Captain Wm. F. Linderman	Municipal Building	Samuel Einstein
	5. Captain Wm. F. Linderman	Municipal Building	W. Cohen
	6. Supt. Chas. E. Raynor	Municipal Building	Mrs. Gest
	8. Supt. Chas. E. Raynor	Municipal Building	Frank H. White
	11. Captain Wm. F. Linderman	Municipal Building	N. Bernstein
	12. Supt. Chas. E. Raynor	Municipal Building	Miss Zenker
	15. Captain Wm. F. Linderman	Municipal Building	Cornelia Russell
	15. Supt. Chas. E. Raynor	Municipal Building	Jacob Gallanter
	16. Miss Ida Osborne	Municipal Building	Miss Lyons
	17. Commodore Joseph Mers	Municipal Building	J. Ganthon
	17. Supt. Chas. E. Raynor	Municipal Building	Porter
	18. Captain Wm. F. Linderman	Municipal Building	Amy Connard
	20. Supt. Chas. E. Raynor	Municipal Building	J. Saewesuk
	21. Supt. Chas. E. Raynor	Municipal Building	A. Charvournasan
	22. Miss Ida Osborne	Municipal Building	Miss Sewee
	30. Captain Wm. F. Linderman	Municipal Building	Samuel Einstein
Feb.	2. Supt. Chas. E. Raynor	Municipal Building	A. S. Nye, Jr.
	3. Supt. Chas. E. Raynor	Municipal Building	B. Scollen
	Miss Ida Osborne		
	5. Commodore Joseph Mers	Municipal Building	Elias Schescher
	Captain Wm. F. Linderman	Municipal Building	Fred Nash
	Miss Ida Osborne	Municipal Building	Matron
	6. Captain Wm. F. Linderman	Municipal Building	John L. Dedrick
	Miss Ida Osborne	Municipal Building	Miss Seidenberg
	8. Commodore Joseph Mers	Municipal Building	A. Vigiotti
	9. Supt. Chas. E. Raynor	Municipal Building	Miss Zeller
	Miss Ida Osborne		
	Supt. Chas. E. Raynor	Municipal Building	Tom Niles
	11. Supt. Chas. E. Raynor	Municipal Building	Miss Black
	15. Commodore Joseph Mers	Municipal Building	P. Vigiotti
	Commodore Joseph Mers	Municipal Building	M. Roseario
	16. Commodore Joseph Mers	Municipal Building	P. Vigiotti
	Captain Wm. F. Linderman	Municipal Building	S. Harris
	Captain Wm. F. Linderman	Municipal Building	Amy Connard
	Supt. Chas. E. Raynor	Municipal Building	Francis Cary
	17. Supt. Chas. E. Raynor	Municipal Building	Miss Rudi
	19. Mr. John F. Maher	Municipal Building	Himself
	24. Commodore Joseph Mers	Municipal Building	R. Perarro
	27. Supt. Chas. E. Raynor	Municipal Building	Miss Scollen
	28. Miss Ida Osborne	Municipal Building	Unknown

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 7

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Mar.	1. Supt. Chas. E. Raynor.....	Municipal Building.....	G. Armanda
	Miss Ida Osborne		
	2. Mr. John F. Maher.....	Municipal Building.....	Peter Kearney
	Miss Ida Osborne.....	Municipal Building.....	Ethel Robinson
	Miss Ida Osborne.....	Municipal Building.....	Miss Fox
	5. Commodore Joseph Mers.....	Municipal Building.....	Harry A. Brown
	10. Commodore Joseph Mers.....	Municipal Building.....	Chas. Hefany
	14. Miss Fieelman.....	Municipal Building.....	Miss Horne
	Miss Ida Osborne.....	Municipal Building.....	Elevator man
	15. Miss Ida Osborne.....	Municipal Building.....	Unknown
	17. Commodore Joseph Mers.....	Municipal Building.....	Leonard DeMast
	Miss Ida Osborne.....	Municipal Building.....	Mrs. Holstein
	23. Commodore Joseph Mers.....	Municipal Building.....	Alex J. Boesin
	29. Miss Ida Osborne.....	Municipal Building.....	Laura Ralph
	29. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Burr
	30. Captain Wm. F. Linderman...	Municipal Building.....	N. Bernstein
	31. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Burr
April	2. Commodore Joseph Mers.....	Municipal Building.....	Morris Gisullo
	3. Supt. Chas. E. Raynor.....	Municipal Building.....	Joseph Farrell
	4. Supt. Chas. E. Raynor.....	Municipal Building.....	Wm. M. Daroy
	Supt. Chas. E. Raynor.....	Municipal Building.....	George Kuhn
	Supt. Chas. E. Raynor.....	Municipal Building.....	H. Pretlove
	5. Captain Wm. F. Linderman...	Municipal Building.....	Jacob Leiber
	7. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Kuhn
	10. Commodore Joseph Mers.....	Municipal Building.....	Unknown
	11. Commodore Joseph Mers.....	Municipal Building.....	Hugo Wittenberg
	17. Supt. Chas. E. Raynor.....	Municipal Building.....	Mrs. Shepherd
	18. Captain Wm. F. Linderman...	Municipal Building.....	H. Lefkowitz
	Commodore Robert Blogg.....	Municipal Building.....	Julius Liberman
	20. Captain Wm. F. Linderman...	Municipal Building.....	N. Bernstein
	Captain Wm. F. Linderman...	Municipal Building.....	Amy Connard
	Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. McFadden
	23. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. McFadden
	Supt. Chas. E. Raynor.....	Municipal Building.....	F. Victore
	25. Miss Ida Osborne.....	Municipal Building.....	Anna Miller
	27. Commodore Robert Blogg.....	Municipal Building.....	Thomas Kennedy
	30. Commodore Robert Blogg.....	Municipal Building.....	Agnes Dandero
May	1. Supt. Chas. E. Raynor.....	Municipal Building.....	I. Wolf
	4. Supt. Chas. E. Raynor.....	Municipal Building.....	Wm. Farrell
	7. Commodore Joseph Mers.....	Municipal Building.....	Unknown
	Commodore Joseph Mers.....	Municipal Building.....	A. F. Burns
	8. Supt. Chas. E. Raynor.....	Municipal Building.....	B. Kitchkin
	9. Supt. Chas. E. Raynor.....	Municipal Building.....	Peter Astreoryke
	11. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Wilson
	11. Miss Ida Osborne.....	Municipal Building.....	M. L. Sullivan
	12. Captain Wm. F. Linderman...	Municipal Building.....	Ludwig Cohen
	12. Captain Wm. F. Linderman...	Municipal Building.....	Harry Tafel
	15. Supt. Chas. E. Raynor.....	Municipal Building.....	J. Steinberg
	15. Supt. Chas. E. Raynor.....	Municipal Building.....	R. Keeper
	18. Commodore Joseph Mers.....	Municipal Building.....	N. Provirs
	22. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Richman
	25. Supt. Chas. E. Raynor.....	Municipal Building.....	Porter
June	13. Supt. Chas. E. Raynor.....	Municipal Building.....	May Davenney
	Miss Frances Steinhagen		
July	14. Supt. Chas. E. Raynor.....	Municipal Building.....	May Davenney
	29. Miss Ida Osborne.....	Municipal Building.....	Rose V. Gallichio
	7. Supt. Chas. E. Raynor.....	Municipal Building.....	Samuel Wolf
	Miss Ida Osborne		
	Supt. Chas. E. Raynor.....	Municipal Building.....	Margaret Kelly
	13. Miss Frances Steinhagen.....	Municipal Building.....	M. Melinger

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	13. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Kelly
	Supt. Chas. E. Raynor.....	Municipal Building.....	W. Capen
	14. Captain A. Kahn.....	Municipal Building.....	Mr. Bayer
	19. Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Borchsen
	20. Miss Ida Osborne.....	Municipal Building.....	Porter
	24. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Ballin
	Miss Frances Steinhausen		
	28. Supt. Chas. E. Raynor.....	Municipal Building.....	George M. Boyd
	Supt. Chas. E. Raynor.....	Municipal Building.....	Mr. Dobbins
	Aug. 1. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss V. Cassidy
	Miss Frances Steinhausen		
	Supt. Chas. E. Raynor.....	Municipal Building.....	Sallie Goldstein
	Miss Frances Steinhausen		
	2. Supt. Chas. E. Raynor.....	Municipal Building.....	David Brody
	6. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Muhen
	8. Supt. Chas. E. Raynor.....	Municipal Building.....	Harry Glasser
	8. Supt. Chas. E. Raynor.....	Municipal Building.....	I. Visokowits
	8. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Simoni
	10. Supt. Chas. E. Raynor.....	Municipal Building.....	Unknown
	15. Mr. J. Maher.....	Municipal Building.....	James Murphy
	Miss Ida Osborne.....	Municipal Building.....	Miss Rich
	16. Supt. Chas. E. Raynor.....	Municipal Building.....	Wm. Farrell
	18. Supt. Chas. E. Raynor.....	Municipal Building.....	Unknown
	24. Supt. Chas. E. Raynor.....	Municipal Building.....	Joseph Horowitz
	28. Mr. J. Maher.....	Municipal Building.....	Gus Hermann
	29. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Wilson
	30. Supt. Chas. E. Raynor.....	Municipal Building.....	Chas. Chopin
	Supt. Chas. E. Raynor.....	Municipal Building.....	Gerald Klein
	Miss Ida Osborne		
Sept.	6. Captain Wm. F. Linderman...	Municipal Building.....	Richard Gebert
	Miss Ida Osborne.....	Municipal Building.....	Florence Schnurr
	13. Miss Frances Steinhausen.....	Municipal Building.....	Lewis M. Cowen
	18. Supt. Chas. E. Raynor.....	Municipal Building.....	Porter
	Supt. Chas. E. Raynor.....	Municipal Building.....	Harry Schechtman
	Miss Ida Osborne.....	Municipal Building.....	Unknown
	Miss Ida Osborne.....	Municipal Building.....	M. McCormack
	Supt. Chas. E. Raynor.....	Municipal Building.....	H. Scheckman
	25. Supt. Chas. E. Raynor.....	Municipal Building.....	Wm. Gebran
	27. Supt. Chas. E. Raynor.....	Municipal Building.....	Unknown
	Miss Ida Osborne		
	Miss Ida Osborne.....	Municipal Building.....	Miss Brockner
	Oct. 3. Captain Wm. F. Linderman...	Municipal Building.....	M. J. Ungrich
	Supt. Chas. E. Raynor.....	Municipal Building.....	H. Bellinger
	Miss Ida Osborne		
	4. Miss Frances Steinhausen.....	Municipal Building.....	F. Duell
	8. Supt. Chas. R. Reynor.....	Municipal Building.....	Samuel Luleky
	15. Miss Frances Steinhausen.....	Municipal Building.....	S. Schulman
	18. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Ida Cohen
	22. Miss Frances Steinhausen.....	Municipal Building.....	M. Butler
	25. Supt. Chas. E. Raynor.....	Municipal Building.....	Julia Crown
	Supt. Chas. E. Raynor.....	Municipal Building.....	Porter
	31. Supt. Chas. E. Raynor.....	Municipal Building.....	George Hummell
Nov.	2. Miss Frances Steinhausen.....	Municipal Building.....	Mary Barman
	16. Miss Ida Osborne.....	Municipal Building.....	Lena Rudowsky
	20. Supt. Chas. E. Raynor.....	Municipal Building.....	Miss Butler
	Supt. Chas. E. Raynor.....	Municipal Building.....	John Panine
	21. Supt. Chas. E. Raynor.....	Municipal Building.....	I. Rosenberg
	22. Miss Ida Osborne.....	Municipal Building.....	Miss Sewell
	Supt. Chas. E. Raynor.....	Municipal Building.....	Unknown
	28. Miss Frances Steinhausen.....	Municipal Building.....	Unknown

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 9

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Nov. 29.	Supt. Chas. E. Raynor.....	Municipal Building.....	Joseph Gallagher
30.	Supt. Chas. E. Raynor.....	Municipal Building.....	Walter Davage
Dec. 6.	Miss Ida Osborne.....	Municipal Building.....	Miss Cassidy
	Miss Ida Osborne.....	Municipal Building.....	Miss Dinneer
	Miss Ida Osborne.....	Municipal Building.....	Miss McCorieck
	Miss Ida Osborne.....	Municipal Building.....	Miss Achernarn
7.	Supt. Chas. E. Raynor.....	Municipal Building.....	Helen Moddack
	Miss Ida Osborne.....		
	Supt. Chas. E. Raynor.....		
	Miss Ida Osborne.....		
8.	Supt. Chas. E. Raynor.....	Municipal Building.....	Joseph Mitika
	Miss Ida Osborne.....	Municipal Building.....	A. Smittberger
	Miss Ida Osborne.....	Municipal Building.....	M. Leeman
13.	Miss Ida Osborne.....	Municipal Building.....	E. Foley
14.	Miss Ida Osborne.....	Municipal Building.....	Mrs. Friedman
	Supt. Chas. E. Raynor.....	Municipal Building.....	S. Schulman
18.	Miss Ida Osborne.....	Municipal Building.....	Miss C. Coehn
	Miss Frances Steinhagen.....	Municipal Building.....	Unknown
19.	Miss Ida Osborne.....	Municipal Building.....	Miss McCormick
24.	Miss Ida Osborne.....	Municipal Building.....	Miss Crown
	Supt. Chas. E. Raynor.....	Municipal Building.....	S. J. Resinick
26.	Miss Frances Steinhagen.....	Municipal Building.....	Harriet Hart
	Commodore Joseph Mers.....	Municipal Building.....	Thomas O'Hara

HEADQUARTERS

Jan.	6. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	Jim Manney
	10. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	Harry White
	12. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	Frank Romain
	15. Commodore J. J. Herold.....	Factory.....	James Brynes
	Commodore J. J. Herold.....	Factory.....	J. Kennedy
	16. Miss M. O'Connor.....	P. S. No. 19, Brooklyn.....	Herbert Norrofsky
	19. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	Fred Lardner
	21. Commodore J. J. Herold.....	Factory.....	M. Miller
	22. Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Mary Kaplan
	M. J. Fergus.....	P. S. No. 19, Brooklyn.....	M. Mitchell
	23. Commodore J. J. Herold.....	Factory.....	James Gorden
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	B. D'Antoni
	24. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	Fred Kelly
	Commodore J. J. Herold.....	Factory.....	J. Dombroske
	26. Commodore J. J. Herold.....	Factory.....	T. Marshall
	27. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	D. Silverman
	28. Commodore J. J. Herold.....	Factory.....	Anna Moon
	29. Captain Wm. F. Linderman.....	Storm King, N. Y.....	Alma Johnson
	30. Commodore J. J. Herold.....	Factory.....	F. Murphy
Feb.	1. Commodore J. J. Herold.....	Factory.....	H. Simons
	2. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	P. J. Mitchell
	3. Commodore J. J. Herold.....	Factory.....	Tony Weir
	Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	Benj. Olstein
	6. Commodore J. J. Herold.....	Factory.....	George Rack
	7. Commodore J. J. Herold.....	Factory.....	John Tanner
	Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	George Berry
	Commodore Joseph Mers.....	West 27th Street.....	W. Cohen
	8. Commodore J. J. Herold.....	Factory.....	A. Elabousky
	9. Miss Maude R. Osborne.....	P. S. 177, N. Y. C.....	Rose Shapiro
	11. Captain Wm. F. Linderman.....	Sands Bay, L. I.....	Charles Ward, Jr.
	12. Commodore J. J. Herold.....	Factory.....	E. Peterson
	13. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	George Berry

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Feb.	13. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	Fred Kelly
	14. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	H. Hines
	Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	T. Abbagnatio
	Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.	Gernard Sager
	15. Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.	G. Epstein
Feb.	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.	G. Wilk
	16. Commodore Jos. Mers.....	Eighteenth Ave., Brooklyn..	Harry Goldberg
	19. Commodore Jos. Mers.....	Gravesend Ave., Brooklyn..	Mr. Suydam
	Commodore Jos. Mers.....	48th St., Brooklyn.....	A. C. Hasen
	Commodore Jos. Mers.....	Fulton St., N. Y. C.....	Louis Hayman
	20. Commodore J. J. Herold.....	Factory.....	May Johnson
	23. Miss Adeline Trapp.....	P. S. No. 19, Brooklyn.....	Roy Farrell
	24. Miss Maude R. Osborne.....	Chambers St., N. Y. C.....	Unknown
	26. Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	M. Boskowitz
	27. Commodore J. J. Herold.....	Factory.....	Tom Kisina
	Commodore J. J. Herold.....	Factory.....	Miss S. Shookan
	Commodore J. J. Herold.....	Factory.....	H. Cabrey
	Captain H. A. Dobbin.....	Jamaica, L. I.....	John Andrews
	28. Commodore J. J. Herold.....	Factory.....	May Worms
Mar.	2. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	John Guier
	Commodore J. J. Herold.....	Factory.....	J. Beity
	3. Commodore J. J. Herold.....	Factory.....	May Burns
	4. Commodore J. J. Herold.....	Factory.....	J. Murphy
	Commodore J. J. Herold.....	Factory.....	Anna Walsh
	5. Commodore J. J. Herold.....	Factory.....	Mary Lindner
	Commodore J. J. Herold.....	Factory.....	C. Filhl
	6. Commodore J. J. Herold.....	Factory.....	John Cimery
	Commodore J. J. Herold.....	Factory.....	Unknown
	7. Commodore Robert Blogg.....	311 West 59th St., N. Y. C.	38 Fireman
	8. Miss C. Pfeifer.....	P. S. No. 19, Brooklyn.....	C. I. Pfeifer
	10. Captain H. A. Dobbin.....	Battery pl., N. Y. C.....	Sydney Pool
	Commodore J. J. Herold.....	Factory.....	Otto Bunkoff
	Commodore J. J. Herold.....	Factory.....	Unknown
	11. Commodore J. J. Herold.....	Factory.....	Frank Turner
	Commodore J. J. Herold.....	Factory.....	C. Costilla
	Captain Wm. F. Linderman.....	Cooper St., Brooklyn.....	Wm. Kottelman
	12. Commodore J. J. Herold.....	Factory.....	John Bines
	Commodore J. J. Herold.....	Factory.....	C. Hildebrant
	14. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	Chas. Smith
	Commodore J. J. Herold.....	Factory.....	Edna Gillman
	15. Captain J. H. Dwyer.....	Pioneer St., Brooklyn.....	John Donovan
	17. Commodore J. J. Herold.....	Factory.....	C. Buscebaum
	Commodore J. J. Herold.....	Factory.....	John P. Doran
	20. Commodore J. J. Herold.....	Factory.....	J. Bunting
	21. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	Fred Kelly
	22. Commodore J. J. Herold.....	Factory.....	Mike Clancey
	23. Commodore J. J. Herold.....	Factory.....	Miss Tobby
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Miss Bulmer
	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Daniel Farrell
	Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.	John Berry
	24. Commodore J. J. Herold.....	Factory.....	John Cimery
	27. Commodore J. J. Herold.....	Factory.....	F. Williams
	30. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.	Fred Kelly
	31. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.	George Berry
	Dr. Casey.....	St. John's College.....	John McLaughlin
	Phys. Direct. Prof. McIntyre }		
April	1. Commodore J. J. Herold.....	Factory.....	John McGinty
	Commodore J. J. Herold.....	Factory.....	M. Lankova
	Commodore J. J. Herold.....	Factory.....	Unknown

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
April	2. Mrs. Ida P. Priest.....	Subway.....	Unknown
	Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	George Erry
	3. Commodore J. J. Herold.....	Factory.....	Miss Anna Meroldi
	Commodore J. J. Herold.....	Factory.....	Miss Anna Grossweiler
	4. Commodore J. J. Herold.....	Factory.....	Miss R. Schnitaler
	Dr. Casey.....	St. John's College.....	J. Simmons
	Phys. Direct. Prof. McIntyre.....		
	Dr. Casey.....		
	Phys. Direct. Prof. McIntyre.....	St. John's College.....	William Brown
	5. Captain J. H. Dwyer.....	Pier 26, Brooklyn.....	Fred Bogert
	Commodore J. J. Herold.....	Factory.....	Harry Harrison
	Commodore J. J. Herold.....	Factory.....	Fred Strohmidel
	7. Miss C. Pfeiffer.....	P. S. No. 19, Brooklyn.....	Herself
	Commodore J. J. Herold.....	Factory.....	Unknown
	Commodore J. J. Herold.....	Factory.....	D. Ramonda
	8. Commodore J. J. Herold.....	Factory.....	J. Smith
	9. Commodore Robert Blogg.....	East 17th St., N. Y. C.....	John Connelly
	Commodore J. J. Herold.....	Factory.....	Harry Corcoran
	Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	Joe Bergen
	10. Commodore J. J. Herold.....	Factory.....	P. Aylmer
	11. Commodore J. J. Herold.....	Factory.....	Unknown
	Commodore J. J. Herold.....	Factory.....	Mary Gartlemann
	12. Commodore J. J. Herold.....	Factory.....	Mary Duffy
	13. Commodore J. J. Herold.....	Factory.....	E. Quidon
	Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	John Ratjen
	14. Commodore J. J. Herold.....	Factory.....	John Brazil
	Commodore J. J. Herold.....	Factory.....	C. Bundick
	Captain H. A. Dobbin.....	Battery Pl., N. Y. C.....	John Aspden
	Dr. Casey.....	St. John's College.....	Louis Fletcher
	Phys. Direct. Prof. McIntyre.....		
	Commodore Louis Rauschkolb.....		
	18. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C..	John Greaser
	21. Commodore Robert Blogg.....	East 9th St., N. Y. C.....	John Pollier
	Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C..	Harry Fitch
	23. Mrs. Ida P. Priest.....	New Jersey.....	Mrs. A. Messier
	25. Commodore Robert Blogg.....	Second Ave., N. Y. C.....	John Willis
	Captain Wm. F. Linderman.....	Sands Bay.....	Joseph Olenaky George Levine Abraham Lischman Samuel Lefkowitz
May	Miss M. O'Connor.....	P. S. No. 19, Brooklyn.....	E. Levine
	30. Mrs. Ida P. Priest.....	New York City.....	Mrs. Ides
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Miss Bulner
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	A. Viselli
	1. Commodore John J. Herold.....	Factory.....	May Alexander
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Herself
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Clara Mandel
	Dr. Casey.....	St. John's College.....	Edward Lixon
	Phys. Direct. Prof. McIntyre.....		
	2. Commodore J. J. Herold.....		
	3. Commodore J. J. Herold.....	Factory.....	A. L. Laughran
	4. Commodore J. J. Herold.....	Factory.....	A. Baker
	Commodore J. J. Herold.....	Factory.....	M. Prendergast
	5. Commodore J. J. Herold.....	Factory.....	John Sembler
	Commodore J. J. Herold.....	Factory.....	Edward Kelly
	6. Commodore J. J. Herold.....	Factory.....	Chas. Young
	Commodore J. J. Herold.....	Factory.....	T. Achwin
	Commodore J. J. Herold.....	Factory.....	Joe Tenyck
	7. Commodore J. J. Herold.....	Factory.....	M. F. Bauer
	8. Commodore J. J. Herold.....	Factory.....	J. Quigly
	9. Commodore J. J. Herold.....	Factory.....	H. Wugert

Date 1917	Members rendering "first aid"	Place where	Persons assisted
May	9. Commodore J. J. Herold	Factory	Harry Finch
	10. Commodore J. J. Herold	Factory	Unknown
	Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	John J. Hood
	11. Commodore J. J. Herold	Factory	Anna Petterson
	12. Commodore J. J. Herold	Factory	P. Young
	13. Commodore J. J. Herold	Factory	R. Burkholy
	Commodore J. J. Herold	Factory	Joe Javonicky
	14. Commodore J. J. Herold	Factory	Mary Lindner
	Commodore J. J. Herold	Factory	Anna Cohn
	15. Commodore J. J. Herold	Factory	S. Reuske
	Miss C. Pfeifer	P. S. No. 19, Brooklyn	B. Alperstein
	16. Miss C. Pfeifer	P. S. No. 19, Brooklyn	C. Pfeifer
	Commodore J. J. Herold	Factory	E. Krulfer
	16. Commodore J. J. Herold	Factory	J. Wagner
	17. Commodore J. J. Herold	Factory	T. Cafengor
	Captain Wm. F. Linderman	315 Wierfield St., Brooklyn	M. Linderman
	18. Commodore J. J. Herold	Baxter St., N. Y. C.	Max Alt
	Captain J. H. Dwyer	Pier 36, Brooklyn	C. D. Rice
	Captain J. H. Dwyer	Pier 36, Brooklyn	John Donovan
	19. Commodore J. J. Herold	Factory	W. F. Poshley
	Commodore J. J. Herold	Factory	S. Hosnaeki
	Commodore J. J. Herold	Factory	M. McSorley
	20. Commodore J. J. Herold	Factory	John Christ
	Commodore J. J. Herold	Factory	W. Chapin
	Commodore J. J. Herold	Factory	George Schick
	21. Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	Wm. Connolly
	Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	R. Braven
	Commodore J. J. Herold	Factory	Mary Peffer
	Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	G. Charlef.
	22. Commodore J. J. Herold	Factory	C. Scherder
	23. Commodore J. J. Herold	Factory	M. Mroyck
	24. Commodore J. J. Herold	Factory	M. Lunn
	Commodore J. J. Herold	Factory	Horse
	25. Commodore J. J. Herold	Factory	C. Lanhhaus
	Commodore Robert Blogg	Montague St., Brooklyn	E. Vincent
	26. Commodore J. J. Herold	Factory	G. Poetsch
	Commodore J. J. Herold	Factory	Sam Mitnick
	27. Commodore J. J. Herold	Factory	H. Stillnagger
	28. Commodore J. J. Herold	Factory	N. Graft
	Commodore J. J. Herold	Sheepshead Bay	J. Gartelmann
	Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	Jack Saladon
	Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	John Lay
	29. Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	M. Boskowits
	Commodore J. J. Herold	Factory	T. A. Murphy
	30. Commodore J. J. Herold	Factory	Unknown
	Commodore J. J. Herold	Factory	C. Clamer
	31. Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	Lillie Horowitz
	Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	Child
	Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	G. Welk
June	1. Commodore J. J. Herold	Factory	O. H. Vetter
	2. Commodore J. J. Herold	Factory	J. Duffy
	Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	Henry Sobel
	Commodore Louis Rauschkolb	129 Lafayette St., N. Y. C.	Percy Sobel
	Commodore Robert Blogg	Rutgers Pl. Pool	Harry Massell
	3. Commodore J. J. Herold	Factory	Unknown
	4. Commodore J. J. Herold	Factory	Mary Worms
	Miss Maude R. Osborne	P. S. No. 177, N. Y. C.	Child
	5. Commodore J. J. Herold	Factory	M. Thompson
	6. Commodore J. J. Herold	Factory	W. Reilly
	Commodore J. J. Herold	Factory	David Tibbol

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	7. Commodore J. J. Herold.....	Factory.....	Anna Kennedy
	Commodore J. J. Herold.....	Factory.....	C. Stantiol
	8. Commodore J. J. Herold.....	Factory.....	P. White
	9. Commodore J. J. Herold.....	Factory.....	Peter Sullivan
	10. Commodore J. J. Herold.....	Factory.....	M. Branagan
	11. Commodore J. J. Herold.....	Factory.....	May Brissi
	Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Rachael Glutern
	12. Miss Maude R. Osborne.....	P. S. No. 177, N. Y. C.....	Clara Mandel
	Commodore J. J. Herold.....	Factory.....	Patrick Cronin
	Commodore J. J. Herold.....	Factory.....	Johanna Bucher
	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	A. Keigallen
	13. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.....	Frank Dyruff
	Commodore J. J. Herold.....	Factory.....	James DeVoy
	Commodore J. J. Herold.....	Factory.....	Edward Donohue
	14. Commodore Joseph G. Merz.....	Coney Island.....	Unkrown
	Commodore J. J. Herold.....	Factory.....	William Donovan
	Commodore J. J. Herold.....	Factory.....	C. Dulaunier
	15. Commodore J. J. Herold.....	Factory.....	Wm. Gallagher
	16. Commodore J. J. Herold.....	Factory.....	Wm. Sowack
	Captain H. A. Dobbin.....	Battery Pl., N. Y. C.....	Anthony Kelly
	Commodore J. J. Herold.....	Factory.....	M. Alber
	Commodore J. J. Herold.....	Factory.....	C. Sullivan
	17. Commodore J. J. Herold.....	Factory.....	Emily Sier
	Commodore J. J. Herold.....	Factory.....	T. O'Connor
	18. Captain H. A. Dobbin.....	Battery Pl., N. Y. C.....	Marie Ross
	Commodore J. J. Herold.....	Factory.....	John Middleton
	19. Commodore J. J. Herold.....	Factory.....	C. Motjen
	20. Commodore J. J. Herold.....	Factory.....	Robert Emmett
	21. Commodore J. J. Herold.....	Factory.....	Mary Hess
	Commodore J. J. Herold.....	Factory.....	Joseph W. Flynn
	Captain H. A. Dobbin.....	Pier 36, Brooklyn.....	A. Castillino
	22. Commodore J. J. Herold.....	Factory.....	John Fehwing
	Commodore J. J. Herold.....	Factory.....	Thomas Mallon
	23. Commodore J. J. Herold.....	Factory.....	Patrick Rooney
	Commodore J. J. Herold.....	Factory.....	Mary Parrett
	23. Commodore J. J. Herold.....	Factory.....	Mary Barry
	Commodore J. J. Herold.....	Factory.....	T. F. Cummiakay
	24. Commodore J. J. Herold.....	Factory.....	J. Buasnahon
	Commodore J. J. Herold.....	Factory.....	S. Enery
	Commodore J. J. Herold.....	Factory.....	A. Fascher
	Commodore J. J. Herold.....	Factory.....	James Hetherington
	Commodore J. J. Herold.....	Factory.....	Sylvester Hickey
	Commodore J. J. Herold.....	Factory.....	John Long
	25. Commodore J. J. Herold.....	Factory.....	John McDermott
	26. Commodore J. J. Herold.....	Factory.....	May O'Brien
	27. Commodore J. J. Herold.....	Factory.....	George Perkins
	28. Commodore J. J. Herold.....	Factory.....	Helen Dwyer
	29. Commodore J. J. Herold.....	Factory.....	Michael O'Grady
	Commodore Louis Rauschkolb.....	Factory.....	William Kling
	Surfman Mathias Prehmus.....	St. James, L. I.....	Charles Martin
	Commodore J. J. Herold.....	Factory.....	James O' Brien
July	30. Mrs. Ida P. Priest.....	Subway.....	Unknown
	1. Commodore J. J. Herold.....	Factory.....	Mary Brisse
	Commodore J. J. Herold.....	Factory.....	B. Allain
	2. Commodore J. J. Herold.....	Factory.....	John Healy.
	3. Commodore J. J. Herold.....	Factory.....	John Campbell
	Mrs. Ida P. Priest.....	29th St., Lexington Ave.....	Unknown
	Mrs. Ida P. Priest.....	Subway.....	Unknown
	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	J. Mood
	Captain J. H. Dwyer.....	Pier 6, Brooklyn.....	John Donohue

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	3. Miss Lillian E. Raynor.....	West 60th St. Pool.....	Unknown girl
	4. Miss Lillian E. Raynor.....	Old Mill.....	Grace Rice
	Commodore J. J. Herold.....	Factory.....	Ida Richmond
	Commodore J. J. Herold.....	Factory.....	James M. Cauley
	Commodore J. J. Herold.....	Factory.....	Emily Slee
	6. Miss Lillian E. Raynor.....	New York City.....	Unknown girl
	Commodore J. J. Herold.....	Factory.....	Rose Moore
	7. Commodore J. J. Herold.....	Factory.....	Edward Iarkin
	Commodore J. J. Herold.....	Factory.....	John Cherry
	Commodore J. J. Herold.....	Factory.....	Maria Bianco
	Supt. Chas. E. Raynor.....	New York City.....	Edward Cody
	8. Commodore J. J. Herold.....	Factory.....	John Byrnes
	Commodore J. J. Herold.....	Factory.....	Alfred Luts
	Miss Lillian E. Raynor.....	New York City.....	Girl
	Captain Wm. F. Linderman.....	Brooklyn.....	Oscar Williamson
	Commodore J. J. Herold.....	Factory.....	Daniel Cover
	9. Commodore J. J. Herold.....	Factory.....	A. Donovan
	Miss Lillian E. Raynor.....	29th St. Pool.....	Unknown girl
	10. Commodore J. J. Herold.....	Factory.....	A. Karrais
	11. Miss Lillian E. Raynor.....	Brooklyn.....	Unknown girl
	Commodore J. J. Herold.....	Factory.....	H. LeGrand
	Commodore J. J. Herold.....	Factory.....	N. Kidney
	12. Commodore J. J. Herold.....	Factory.....	Thomas Lynch
	13. Commodore J. J. Herold.....	Factory.....	Marie Marty
	Miss Lillian E. Raynor.....	60th St. Pool.....	Unknown girl
	14. Commodore J. J. Herold.....	Factory.....	Michael Molloy
	Commodore J. J. Herold.....	Factory.....	May Miller
	15. Miss Lillian E. Raynor.....	Old Mill.....	Unknown girl
	Commodore J. J. Herold.....	Factory.....	George Gottinger
	Commodore J. J. Herold.....	Factory.....	Kate Peyman
	Miss Lillian E. Raynor.....	Old Mill.....	Anna Clyde
	16. Commodore J. J. Herold.....	Factory.....	Thomas Yearron
	17. Commodore J. J. Herold.....	Factory.....	John Drury
	Commodore J. J. Herold.....	Factory.....	M. Morrison
	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	James Donovan
	18. Miss Lillian E. Raynor.....	New York City.....	Woman
	19. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.....	Frank Dyruff
	20. Miss Lillian E. Raynor.....	New York City.....	Unknown girl
	22. Miss Lillian E. Raynor.....	New York City.....	Unknown boy
	Captain Hart.....	Pier 20, East River.....	T. Benowenti
	29. Miss Lillian E. Raynor.....	Old Mill.....	Unknown girl
	31. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.....	Frank Rosa
Aug.	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	C. D. Rosse
	1. Miss Lillian E. Raynor.....	New York City.....	Unknown girl
	Miss Lillian E. Raynor.....	60th St. Pool.....	Unknown girl
	5. Supt. Chas. E. Raynor.....	Old Mill.....	Unknown boy
	Miss Lillian E. Raynor.....	Old Mill.....	Unknown boy
	Supt. Chas. E. Raynor.....	Old Mill.....	Unknown woman
	Surfman George Bernhard.....	Coney Island.....	Louis Moskowitz
	12. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.....	John Rachin
	Miss Lillian E. Raynor.....	Old Mill.....	Unknown girl
	Supt. Chas. E. Raynor.....	Old Mill.....	George Hammell
	Coxswain A. Ritsel.....	51st St., East River.....	Sam Goldberg
	Commodore Joseph Mers.....	Coney Island.....	D. Galvin
	Miss Lillian E. Raynor.....	West 60th St. Pool.....	Unknown girl
	Supt. Chas. E. Raynor.....	Old Mill.....	Unknown boy
	14. Boatswain Andrew Newill.....	129 Lafayette St., N. Y. C.....	C. Lewis
	Supt. Chas. E. Raynor.....	Old Mill.....	Unknown woman
	16. Commodore Louis Rauschkolb.....	129 Lafayette St., N. Y. C.....	Philip Weber
	29. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Joan Belton

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	29. Supt. Chas. E. Raynor.....	Old Mill.....	J. Block
Sept.	3. Captain Wm. F. Linderman...	Sands Bay.....	Agnes Robering
	5. Miss Lillian E. Raynor.....	New York City.....	Unknown girl
	13. Commodore J. J. Herold.....	Factory.....	Joseph Bailly
	16. Captain Wm. F. Linderman...	Sands Bay.....	J. Ciccarrello
Oct.	4. Miss Maude R. Osborne.....	New York City.....	S. Ontario
	10. Miss Maude R. Osborne.....	New York City.....	J. Tannenbaum
	11. Miss C. Pfeiffer.....	P. S. No. 19, Brooklyn.....	Herself
	Captain Wm. F. Linderman...	Wierfield St., Brooklyn.....	M. Linderman
	18. Miss M. O'Connor.....	P. S. No. 19, Brooklyn.....	Mary Hickey
	25. Commodore Louis Rauschkolb.	129 Lafayette St., N. Y. C..	Louis Maresi
	Miss C. Pfeiffer.....	P. S. No. 19, Brooklyn.....	Alice Crawford
	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	H. J. Goodun
Nov.	15. Commodore Louis Rauschkolb.	129 Lafayette St., N. Y. C..	M. Armheim
	20. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	I. J. Ryon
	21. Miss M. O'Connor.....	P. S. No. 19, Brooklyn.....	Rose Woods
	22. Commodore J. J. Herold.....	Factory.....	M. Donnelly
	24. Commodore J. J. Herold.....	Factory.....	F. Rubel
	Commodore J. J. Herold.....	Factory.....	F. Kloyer
	Commodore J. J. Herold.....	Factory.....	Miss L. Gloear
	28. Commodore J. J. Herold.....	Factory.....	M. Michels
	Commodore J. J. Herold.....	Factory.....	Tony Buggiano
Dec.	4. Supt. Chas. E. Raynor.....	Crescent St. Sta., Brooklyn.....	Unknown
	5. Commodore Louis Rauschkolb.	129 Lafayette St., N. Y. C..	Jack Salada
	7. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	E. Dolland
	12. Boatwain Andrew Newill.....	129 Lafayette St., N. Y. C..	George Berry
	20. Phys. Direct. Prof. McIntyre } Dr. Casey.....	St. John's College.....	P. J. Kelly
	21. Miss Lillian E. Raynor.....	Brooklyn.....	Unknown girl

HAYMAKERS CLUB

Sept.	3. Surg. Mate Collora.....	Haymakers Club.....	J. Edward Walsh
	Surg. Mate Collora.....	Haymakers Club.....	John Goss
	5. Surg. Mate Collora.....	Haymakers Club.....	John O'Hara
	7. Surg. Mate Collora.....	Haymakers Club.....	Anna Harris
	11. Surg. Mate Collora.....	Haymakers Club.....	Isabel Keegan
	12. Surg. Mate Collora.....	Haymakers Club.....	Anthony Modena
	Surg. Mate Collora.....	Haymakers Club.....	Conrad Sponberg
	13. Surg. Mate Collora.....	Haymakers Club.....	L. Viguardi
	14. Surg. Mate Collora.....	Haymakers Club.....	John Seimfeld
	20. Surg. Mate Collora.....	Haymakers Club.....	John Lombardo
	Surg. Mate Collora.....	Haymakers Club.....	C. Stellwagon
	Surg. Mate Collora.....	Haymakers Club.....	H. Baier
	21. Surg. Mate Collora.....	Haymakers Club.....	George Mayer
	22. Surg. Mate Collora.....	Haymakers Club.....	Vincent Sargy
	23. Surg. Mate Collora.....	Haymakers Club.....	H. Rosenthal
	24. Surg. Mate Collora.....	Haymakers Club.....	J. Soccaro
	25. Surg. Mate Collora.....	Haymakers Club.....	John McGuire
	Surg. Mate Collora.....	Haymakers Club.....	Wm. Sigler
	26. Surg. Mate Collora.....	Haymakers Club.....	L. Diquardi
	Surg. Mate Collora.....	Haymakers Club.....	Louis Carrano
	27. Surg. Mate Collora.....	Haymakers Club.....	Geo. Stellwagon
	30. Commodore J. J. Herold.....	Haymakers Club.....	James Collora
Oct.	1. Surg. Mate Collora.....	Haymakers Club.....	M. Schnepf
	Surg. Mate Collora.....	Haymakers Club.....	George Adams
	2. Surg. Mate Collora.....	Haymakers Club.....	Mildred Picerello
	3. Surg. Mate Collora.....	Haymakers Club.....	Frank Malone
	Surg. Mate Collora.....	Haymakers Club.....	John Esposito

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Oct.	4. Surg. Mate Collora.....	Haymakers Club.....	J. Garburin
	Surg. Mate Collora.....	Haymakers Club.....	A. Fander
	8. Surg. Mate Collora.....	Haymakers Club.....	I. Beorouaky
	11. Surg. Mate Collora.....	Haymakers Club.....	William Gibson
	Surg. Mate Collora.....	Haymakers Club.....	Jacob Kosmell
	17. Surg. Mate Collora.....	Haymakers Club.....	Joseph Reilly
	18. Surg. Mate Collora.....	Haymakers Club.....	William Cole
	19. Surg. Mate Collora.....	Haymakers Club.....	Chas. Saimbreot
	23. Surg. Mate Collora.....	Haymakers Club.....	Casper Molonaro
	24. Surg. Mate Collora.....	Haymakers Club.....	Peter Sicilia
	Surg. Mate Collora.....	Haymakers Club.....	M. Schnepf
	Surg. Mate Collora.....	Haymakers Club.....	Frank Burke
	Surg. Mate Collora.....	Haymakers Club.....	James Scott
	25. Surg. Mate Collora.....	Haymakers Club.....	Joseph Zaek
	Surg. Mate Collora.....	Haymakers Club.....	Fred Styre
	29. Surg. Mate Collora.....	Haymakers Club.....	A. Hagelberg
	Surg. Mate Collora.....	Haymakers Club.....	William Walts
	30. Surg. Mate Collora.....	Haymakers Club.....	Frank Burke
Nov.	5. Surg. Mate Collora.....	Haymakers Club.....	Louis Caviano
	8. Surg. Mate Collora.....	Haymakers Club.....	John Rock
	20. Surg. Mate Collora.....	Haymakers Club.....	R. Fulchunaky
	21. Surg. Mate Collora.....	Haymakers Club.....	Anna Harris
	Surg. Mate Collora.....	Haymakers Club.....	Edith Sandstrom
	23. Surg. Mate Collora.....	Haymakers Club.....	Frank Burke
	26. Surg. Mate Collora.....	Haymakers Club.....	Tony Geneva
	27. Surg. Mate Collora.....	Haymakers Club.....	Fred Styre
	28. Surg. Mate Collora.....	Haymakers Club.....	Chas. Cole
Dec.	1. Surg. Mate Collora.....	Haymakers Club.....	George Meyer
	Surg. Mate Collora.....	Haymakers Club.....	Henry Beck
	3. Surg. Mate Collora.....	Haymakers Club.....	Conrad Sponberg
	4. Surg. Mate Collora.....	Haymakers Club.....	Frank Soloeki
	Surg. Mate Collora.....	Haymakers Club.....	Harry Albert
	5. Surg. Mate Collora.....	Haymakers Club.....	John McLaughlin
	Surg. Mate Collora.....	Haymakers Club.....	Ben Glorious
	Surg. Mate Collora.....	Haymakers Club.....	Margaret McKensie
	7. Surg. Mate Collora.....	Haymakers Club.....	Joseph Williams
	Surg. Mate Collora.....	Haymakers Club.....	Anna Morton
	Surg. Mate Collora.....	Haymakers Club.....	Frank Malone
	9. Surg. Mate Collora.....	Haymakers Club.....	Irwin Norwaky
	10. Surg. Mate Collora.....	Haymakers Club.....	A. Albrecht
	Surg. Mate Collora.....	Haymakers Club.....	Annie Hagelberg
	Surg. Mate Collora.....	Haymakers Club.....	M. Morton
	12. Surg. Mate Collora.....	Haymakers Club.....	Agnes Cusock
	Surg. Mate Collora.....	Haymakers Club.....	A. Cohn
	15. Surg. Mate Collora.....	Haymakers Club.....	Joseph Macher
	Surg. Mate Collora.....	Haymakers Club.....	Joe Holts
	Surg. Mate Collora.....	Haymakers Club.....	Harry Brund
	17. Surg. Mate Collora.....	Haymakers Club.....	George G. Townsend
	18. Surg. Mate Collora.....	Haymakers Club.....	John Conlon
	Surg. Mate Collora.....	Haymakers Club.....	W. Walts
	21. Surg. Mate Collora.....	Haymakers Club.....	W. Cole
	22. Surg. Mate Collora.....	Haymakers Club.....	Clara Seavers
	23. Surg. Mate Collora.....	Haymakers Club.....	Edith Sorensen
	24. Surg. Mate Collora.....	Haymakers Club.....	Joseph Reilly

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 17

RESCUES

HEADQUARTERS

Date 1917	Persons making rescue	Place where	Persons rescued
March 22.	Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Daniel Farrell
April 22.	Captain Wm. F. Linderman...	Sands Bay.....	Joseph Olensky Abraham Lishman George Levine Samuel Lefkowitz Edward C. Dixon
May	1. Dr. Casey..... Phys. Direct. Prof. McIntyre }	St. John's College.....	
	27. Commodore J. J. Herold.....	Sheepshead Bay.....	J. Gartelmann
June	2. Commodore Robert Blogg.....	Rutgers Pl. Pool.....	Harry Mazzell
July	3. Miss Lillian E. Raynor.....	West 60th St. Pool.....	Unknown girl
	22. Captain Michael Hart.....	Pier 20, East River.....	T. Benavente
Aug.	1. Miss Lillian E. Raynor.....	West 60th St. Pool.....	Unknown girl
	5. Surfman George Bernhard.....	Dreamland, C. I.....	Louis Moskowitz
	11. Commodore Joseph Mers.....	Dreamland, C. I.....	D. Galvin
	12. Miss Lillian E. Raynor.....	West 60th St., Pool.....	Unknown girl
Sept.	9. Coxswain A. Ritzel.....	East 49th St. Pier.....	Sam Goldberg
	16. Captain Wm. F. Linderman...	Sands Bay.....	James Cicerello

BOATS ASSISTED

HEADQUARTERS

Date 1917	Members giving assistance	Place where	Boats assisted
Feb.	27. Commodore Joseph Mers.....	Sheepshead Bay.....	Row boat
May	26. Commodore J. J. Herold.....	Sheepshead Bay.....	5 Row boats (15 persons)
June	3. Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	1 row boat (2 persons)
	Commodore J. J. Herold.....	Sheepshead Bay.....	2 motor boats (8 persons)
	Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	1 row boat (1 person)
	Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	2 row boats (5 persons)
	Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	1 launch (3 persons)
	Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	1 launch (10 persons)
	Supt. Chas. E. Raynor..... Sr. Lieut. Scott.....	Old Mill.....	1 row boat (2 persons)
	Mr. Harold K. Jones.....	Old Mill.....	1 motor boat
	Commodore Joseph Mers.....	Gravesend Bay.....	11 row boats (44 persons)
	24. Supt. Chas. E. Raynor.....	Old Mill.....	1 row boat (2 persons)
	Supt. Chas. E. Raynor.....	Old Mill.....	1 launch (3 persons)
July	1. Supt. Chas. E. Raynor.....	Old Mill.....	1 launch (1 person)
	Supt. Chas. E. Raynor.....	Old Mill.....	1 launch (12 persons)
	4. Capt. Wm. F. Linderman.....	Sands Bay.....	1 row boat (2 persons)
Aug.	5. Commodore Joseph Mers..... Surfman Acker..... Surfman Harriss.....	Sheepshead Bay.....	1 power boat
	6. Commodore Joseph Mers.....	Plum Beach.....	1 row boat
	12. Supt. Chas. E. Raynor.....	Old Mill.....	1 launch (6 persons)
	19. Commodore Joseph Mers.....	Plum Beach.....	Motor boat (7 persons)
Sept.	2. Capt. Wm. F. Linderman.....	Sands Bay.....	Row boat
	Supt. Chas. E. Raynor.....	Old Mill.....	1 row boat (3 persons)
	6. Supt. Chas. E. Raynor.....	Old Mill.....	1 launch (12 persons)
	Supt. Chas. E. Raynor.....	Old Mill.....	1 row boat (6 persons)

Date 1917	Members giving assistance	Place where	Boats assisted
Sept. 19.	Commodore Joseph Mers.....	Plum Beach.....	Motor boat (7 persons)
30.	Commodore Joseph Mers.....	Plum Beach.....	1 dory
	Commodore Joseph Mers.....	Plum Beach.....	1 canoe (2 persons)
	Commodore Joseph Mers.....	Plum Beach.....	1 canoe (2 persons)
Oct. 30.	Commodore Joseph Mers.....	Plum Beach.....	1 row boat

BODIES RECOVERED

HEADQUARTERS

DISTRICT O

Date 1917	Members giving assistance	Place where	Bodies recovered
April 8.	Commodore J. J. Herold.....	Gravesend Bay.....	Unknown man
June 10.	Captain Wm. F. Linderman...	Canarsie.....	2 unknown men
Aug. 12.	Commodore Joseph Mers.....	Sheepshead Bay.....	Unknown man

WRECKAGE

HEADQUARTERS

DISTRICT O

Date 1917	Member giving assistance	Place where	Wreckage removed
April 1.	Commodore J. J. Herold.....	Gravesend Bay Station....	Log
May 5.	Commodore J. J. Herold.....	Gravesend Bay Station....	5 logs
12.	Commodore J. J. Herold.....	Gravesend Bay Station....	Log

BOROUGH OF MANHATTAN

FIRST AID

RIVERSIDE DIVISION

Date 1917	Members rendering "first aid"	Place where	Persons assisted
May 15.	Boatswain E. Hennelly.....	Riverside Station.....	John Skipper
June 6.	Boatswain E. Hennelly.....	Riverside Station.....	John Lawrence
9.	4 Members of Station.....	Riverside Station.....	Sailor
23.	Coxswain C. Marschausen.....	Riverside Station.....	J. Morano
26.	Coxswain C. Marschausen.....	Riverside Station.....	John Carroll
30.	Surfman J. Zimnock.....	Riverside Station.....	H. Epple
July 1.	Sur. Mate G. DeMott.....	Riverside Station.....	Walter Jones
4.	Jr. Lieut. John Weis.....	Riverside Station.....	John Murphy
	Captain W. Corcoran.....	Riverside Station.....	Joseph Maloney
	Boatswain E. Hennelly.....	Riverside Station.....	Miss Sadie Kalma
	Jr. Lieut. John Weis.....		
	Surfman H. Conrad.....	Riverside Station.....	John Poppe
	Surfman John Boylan.....		
	Boatswain E. Hennelly.....	Riverside Station.....	Miss M. McNichols
	Boatswain E. Hennelly.....	Riverside Station.....	John O'Brien
	5. Captain W. Corcoran.....	Riverside Station.....	John Weissman
	Surfman H. Conrad.....		
	7. Boatswain E. Hennelly.....	Riverside Station.....	Carl Theobold
	10. Surfman J. Zimnock.....	Riverside Station.....	F. Epple
	13. Surfman J. Zimnock.....	Riverside Station.....	G. Merotgeon
Aug. 1.	Surfman B. Mass.....	Riverside Station.....	James Ryan
3.	Sur. Mate G. DeMott.....	Riverside Station.....	Anna Dolan
8.	Surfman B. Mass.....	Riverside Station.....	Lucy Freeman
12.	Sur. Mate G. DeMott.....	Riverside Station.....	Joseph Kenbon

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Sept.	9. Surfman William Graham.....	Riverside Station.....	Paul O'Brien
	20. Boatwain E. Hennelly.....	Riverside Station.....	Thomas Spurgeon
Oct.	1. Coxswain C. Marschausen.....	Riverside Station.....	John Mulligan
	4. Surfman George A. Allen.....	Riverside Station.....	George Nolan
	15. Jr. Lieut. John Weis.....	Riverside Station.....	William Paulson
	18. Surfman J. Zimnock.....	Riverside Station.....	W. Guffney
	19. Captain W. Corcoran.....	Riverside Station.....	C. Vogt
	Surfman C. Davis.....	Riverside Station.....	Walter Jones

GRAND STREET DIVISION

Jan.	3. Captain Michael Hart.....	Grand Street.....	Julius Levy
Feb.	23. Captain Michael Hart.....	Grand Street.....	George Odell
	Captain Stern.....	Grand Street.....	Joseph Masonne
	Dr. Fabum, Gouverneur Hosp. }		

QUEENSBORO BRIDGE DIVISION

Feb.	11. Captain Peter Nelson.....	Queensboro Bridge.....	Unknown
March	11. Surfman George Rosenblum.....	Queensboro Bridge.....	George Hens
	19. Surfman Charles Beller.....	Queensboro Bridge.....	William Tabbat
May	2. Surfman Charles Beller.....	Queensboro Bridge.....	William Hettiger
May	8. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	John Hettinger
June	15. Surfman Jacob Nelson.....	Queensboro Bridge.....	John McCaven
	21. Boatwain William Zieher.....	Queensboro Bridge.....	John Cunningham
	24. Surfman Charles Beller.....	Queensboro Bridge.....	W. Wilcox
	Surfman Jacob Nelson.....		
	Surg. Mate Frank Higgins...		
	Boatwain William Zieher...	Queensboro Bridge.....	William Clark
	Jr. Lieut. Chas. Mahuken...		
	Captain Peter Nelson.....	Queensboro Bridge.....	Michael Sullivan
	Boatwain William Zieher...		
	25. Surfman Charles Beller.....	Queensboro Bridge.....	Unknown
	Surg. Mate Frank Higgins...		
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Joseph Kranitz
	28. Boatwain William Zieher.....	Queensboro Bridge.....	Joseph Abbott
	30. Surfman Charles Beller.....	Queensboro Bridge.....	John Gavins
	Surfman Jacob Nelson.....		
July	1. Surfman Jacob Nelson.....	Queensboro Bridge.....	Unknown
	6. Surfman Charles Beller.....	Queensboro Bridge.....	L. Arrowmitto
	Surfman William O'Brien...		
	7. Surfman Jacob Nelson.....	Queensboro Bridge.....	Joseph Halo
	Surg. Mate Frank Higgins...		
	15. Surfman Jacob Nelson.....	Queensboro Bridge.....	Gerard Krets
	16. Captain Peter Nelson.....	Queensboro Bridge.....	James Brady
	17. Surfman Charles Beller.....	Queensboro Bridge.....	Frank Abbruscato
	18. Surfman Charles Beller.....	Queensboro Bridge.....	John Horan
	19. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Paul Maguiness
	21. Surfman Jacob Nelson.....	Queensboro Bridge.....	Edward Dougherty
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	John Kandraad
	22. Boatwain William Zieher.....	Queensboro Bridge.....	William Hettiger
	23. Captain Peter Nelson.....	Queensboro Bridge.....	Alfred Hays
	25. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	V. Maguiness
	Boatwain William Zieher.....	Queensboro Bridge.....	Joseph Salvador
	26. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Alexander Lockhard
	27. Surfman Jacob Nelson.....	Queensboro Bridge.....	2 unknown boys
	Jr. Lieut. Chas. Mahuken...		
	29. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Chas. Hooker
	30. Surfman Charles Beller.....	Queensboro Bridge.....	A. Bizio
	Surfman Charles Beller.....	Queensboro Bridge.....	Morris Kalpin
	Surfman William Beller.....		

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	30. Surfman Charles Beller.....	Queensboro Bridge.....	H. Verterno
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Robert Grays
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	G. Tessace
	31. Boatswain William Zieher.....	Queensboro Bridge.....	Thomas Brady
	Boatswain William Zieher.....	Queensboro Bridge.....	Unknown man
Aug.	Surg. Mate Frank Higgins.....		
	Surfman Jacob Nelson.....		
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	N. Kosko
	1. Surfman Jacob Nelson.....	Queensboro Bridge.....	John Molent
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Harry Beach
	2. Captain Peter Nelson.....	Queensboro Bridge.....	Frederick Dubois
	Captain Peter Nelson.....	Queensboro Bridge.....	Donald Kramer
	3. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	G. Nespur
	Boatswain William Zieher.....	Queensboro Bridge.....	John Gavin
	Captain Peter Nelson.....		
	5. Surfman Thomas Cusick.....	Queensboro Bridge.....	Jacob Samuel
	8. Surfman Jacob Nelson.....	Queensboro Bridge.....	John Morrissey
	13. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	John McDevery
	14. Surfman Jacob Nelson.....	Queensboro Bridge.....	John Mofferys
	17. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Charles Bayer
	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Jacob Semmett
	18. Boatswain William Zieher.....	Queensboro Bridge.....	Unknown boy
	Surfman Jacob Nelson.....	Queensboro Bridge.....	Morris Smith
	21. Boatswain William Zieher.....		
	Captain Peter Nelson.....	Queensboro Bridge.....	James Barry
	Boatswain William Zieher.....	Queensboro Bridge.....	Matthew Durkin
	Captain Peter Nelson.....	Queensboro Bridge.....	Unknown boy
	Auxiliary V. Maguire.....	Queensboro Bridge.....	T. Curtin
	23. Boatswain William Zieher.....		
	24. Boatswain William Zieher.....	Queensboro Bridge.....	William Young
	Captain Peter Nelson.....	Queensboro Bridge.....	John Buckley
	Surfman Charles Beller.....	Queensboro Bridge.....	Walter Mead
	Boatswain William Zieher.....	Queensboro Bridge.....	Frederick Ingram
	Jr. Lieut. Chas. Mahuken.....	Queensboro Bridge.....	John Roland
	27. Boatswain William Zieher.....	Queensboro Bridge.....	Julius Teher
	Boatswain William Zieher.....	Queensboro Bridge.....	Henry Hettinger
	28. Captain Peter Nelson.....	Queensboro Bridge.....	Peter Lambe
	30. Captain Peter Nelson.....	Queensboro Bridge.....	Anthony Puelli
Sept.	3. Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Unknown man
	Boatswain William Zieher.....	Queensboro Bridge.....	Albert Plumacker
	4. Surfman Charles Beller.....	Queensboro Bridge.....	Albert Murray
	5. Jr. Lieut. Chas. Mahuken.....	Queensboro Bridge.....	Joseph Walcott
	6. Boatswain William Zieher.....	Queensboro Bridge.....	F. Gown
Dec.	10. Boatswain William Zieher.....	Queensboro Bridge.....	Joseph Ahern
	Surfman Charles Beller.....	Queensboro Bridge.....	John Maguire
	12. Captain Peter Nelson.....	Queensboro Bridge.....	Unknown boy

QUEENSBORO BRIDGE DIVISION

AUXILIARY

Feb.	24. Captain Paul Maguire.....	Queensboro Bridge.....	William O'Brien
March	10. Captain Paul Maguire.....	Queensboro Bridge.....	Patrick Farley
April	2. Surfman Vincent Maguire.....	Queensboro Bridge.....	Wm. Hettinger
	3. Surfman Wm. Hettinger.....	Queensboro Bridge.....	Vincent Maguire
	Captain Paul Maguire.....	Queensboro Bridge.....	John Maguire
	5. Captain Paul Maguire.....	Queensboro Bridge.....	John Maguire
	6. Boatswain Thomas McAveney.....	Queensboro Bridge.....	G. Kral
	7. Boatswain Thomas McAveney.....	Queensboro Bridge.....	William O'Brien
	8. Captain Paul Maguire.....	Queensboro Bridge.....	D. Enderly
	Boatswain Thomas McAveney.....	Queensboro Bridge.....	J. Karl
	Boatswain Thomas McAveney.....	Queensboro Bridge.....	William O'Brien

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
April	9. Surfman D. Enderly.....	Queensboro Bridge.....	Thomas Crouley
	Captain Paul Maguire.....	Queensboro Bridge.....	D. Enderly
	10. Surfman D. Enderly.....	Queensboro Bridge.....	T. Crowley
	11. Captain Paul Maguire.....	Queensboro Bridge.....	T. Crowley
	15. Captain Paul Maguire.....	Queensboro Bridge.....	Unknown boy
July	22. Surfman Vincent Maguire.....	Queensboro Bridge.....	Unknown boy
	23. Lieut. William O'Brien.....	Queensboro Bridge.....	M. Runge
	5. Surfman Vincent Maguire.....	Queensboro Bridge.....	Thomas McAveney
	13. Lieut. William O'Brien.....	Queensboro Bridge.....	Paul Maguire
	18. Surfman Vincent Maguire.....	Queensboro Bridge.....	Thomas Cusick
	19. Boatswain Thomas McAveney.....	Queensboro Bridge.....	William O'Brien
	20. Surfman William Hettinger.....	Queensboro Bridge.....	Thomas McAveney
	24. Surfman William Hettinger.....	Queensboro Bridge.....	D. Enderly
	27. Boatswain Thomas McAveney.....	Queensboro Bridge.....	Harry Morris
	Captain Paul Maguire.....	Queensboro Bridge.....	John Kelly
	28. Lieut. Gerald Kral.....	Queensboro Bridge.....	John Reilly
	Surfman Vincent Maguire.....		
	30. Boatswain Thomas McAveney.....	Queensboro Bridge.....	Joe Connolly
	Surfman Vincent Maguire.....	Queensboro Bridge.....	George Wagner
	31. Surfman Michael Lacey.....	Queensboro Bridge.....	{ Fred Doala Arthur Bunyan Edward Reneche
Aug.	Boatswain Thomas McAveney.....	Queensboro Bridge.....	Arthur Jones
	1. Surfman Vincent Maguire.....	Queensboro Bridge.....	Joseph Fuchs
	3. Surfman Thomas Cusick.....	Queensboro Bridge.....	J. Graah
	Boatswain William Zieher.....		
	5. Lieut. William O'Brien.....	Queensboro Bridge.....	{ J. Carroll Robert Thum
	Surfman Michael Lacey.....		
	Boatswain Thos. McAveney.....		
	Lieut. William O'Brien.....	Queensboro Bridge.....	John Maguiness
	6. Lieut. William O'Brien.....	Queensboro Bridge.....	William Hunter
	8. Surfman William Hettinger.....	Queensboro Bridge.....	Thomas Morgan
	16. Surfman Vincent Maguire.....	Queensboro Bridge.....	John Stith
	18. Lieut. William O'Brien.....	Queensboro Bridge.....	Unknown boy
Sept.	Surfman Thomas Cusick.....	Queensboro Bridge.....	G. Caputo
	19. Boatswain Thos. McAveney.....	Queensboro Bridge.....	3 unknown men
	Surfman Thomas Cusick.....		
	20. Surfman Vincent Maguire.....	Queensboro Bridge.....	4 unknown boys
	Boatswain William Zieher.....		
	Surfman Vincent Maguire.....	Queensboro Bridge.....	James Gucco
Sept.	27. Surfman Thomas Cusick.....	Queensboro Bridge.....	George Anick
	6. Surfman Vincent Maguire.....	Queensboro Bridge.....	Unknown man
Dec.	Lieut. William O'Brien.....	Queensboro Bridge.....	John Rinold
	20. Surfman Vincent Maguire.....		
	Surfman Thomas Cusick.....		

ALLEN POINT DIVISION

July	26. Surfman William Kell.....	Allen Point Station.....	Tom Logan
	27. Surfman William Kell.....	Allen Point Station.....	John Brennan
	29. Surfman Thomas Hoey.....	Allen Point Station.....	Himself
Aug.	25. Boatswain W. Oswald.....	Allen Point Station.....	Joseph Calao
	Surfman Thomas Hoey.....	Allen Point Station.....	John Doran
	26. Surfman William Kelly.....	Allen Point Station.....	Edw. McSherry
	27. Surfman Lou Zaminer.....	Allen Point Station.....	William Kleex
	29. Surfman Henry Baumann.....	Allen Point Station.....	Abe Kuppert

RED WING BOAT CLUB

July	15. Surfman Thomas Farnan.....	Red Wing Boat Club.....	C. Gibney
	Surfman Thomas Farnan.....	Red Wing Boat Club.....	Mario Cortanga
	Surfman Thomas Farnan.....	Red Wing Boat Club.....	Patrick Glynn

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	15. Surfman John McPhillips.....	Red Wing Boat Club.....	Edward Powers
	18. Surfman Joseph Leonard.....	Red Wing Boat Club.....	Henry Herbs
	23. Surfman H. Wollesen.....	Red Wing Boat Club.....	Thomas Dolan
Aug.	2. Captain John Murray.....	Red Wing Boat Club.....	Edw. Mals
	Surfman H. Wollesen.....	Red Wing Boat Club.....	Steve Carnei
	17. Surfman A. Schnable.....	Red Wing Boat Club.....	Albert Miller
	18. Surfman H. Wollesen.....	Red Wing Boat Club.....	P. Doran
	19. Captain John Murray.....	Red Wing Boat Club.....	Joseph Jones
	Captain John Murray.....	Red Wing Boat Club.....	Theodore Swain
	22. Coxswain Thomas Farnan.....	Red Wing Boat Club.....	Joseph Leonard
	25. Coxswain Peter McDonald.....	Red Wing Boat Club.....	Semien Spellier
	28. Captain John Murray.....	Red Wing Boat Club.....	Frank Ernest
Sept.	Captain John Murray.....	Red Wing Boat Club.....	S. Bressinger
	2. Captain John Murray.....	Red Wing Boat Club.....	William Smith
	3. Sr. Lieut. John McPhillips.....	Red Wing Boat Club.....	John Sweeney
	Captain John Murray.....	Red Wing Boat Club.....	John Mintz
	Surfman Theodore Swain.....	Red Wing Boat Club.....	William Kelley
	4. Captain John Murray.....	Red Wing Boat Club.....	Peter McDonald
	14. Sr. Lieut. John McPhillips.....	Red Wing Boat Club.....	John Fitzgerald
	21. Sr. Lieut. John McPhillips.....	Red Wing Boat Club.....	Unknown man
	14. Coxswain Peter McDonald.....	Red Wing Boat Club.....	Michael Viello
Oct.			
Nov.	9. Captain John Murray.....	Red Wing Boat Club.....	John McPhillips
	11. Sr. Lieut. John McPhillips.....	Red Wing Boat Club.....	Chas. Angerston
	17. Coxswain Peter McDonald.....	Red Wing Boat Club.....	J. Schonk
	21. Surfman H. Wollesen.....	Red Wing Boat Club.....	John Higgins

YORKVILLE STATION

Feb.	23. Boatswain C. Coyle.....	Yorkville Station.....	Wm. Hollar
May	1. Captain Joseph Euler.....	Yorkville Station.....	Joe DeMarco
	3. Captain Joseph Euler.....	Yorkville Station.....	Albert Butts
June	4. Surfman Edward Karsten.....	Yorkville Station.....	R. Camera
	9. Surfman Edward Karsten.....	Yorkville Station.....	Vincent Rioco
	16. Boatswain C. Coyle.....	Yorkville Station.....	B. Graiver
	Surfman Edward Karsten.....	Yorkville Station.....	Edward Koegler
	Boatswain C. Coyle.....	Yorkville Station.....	David Fuchs
	22. Surfman Edward Karsten.....	Yorkville Station.....	N. Ferrarra
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Jack Rosen
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Charles Michka
	Surfman Edward Karsten.....	Yorkville Station.....	William Hart
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Robert Win
	23. Surfman Edward Karsten.....	Yorkville Station.....	S. Schulman
	24. Boatswain C. Coyle.....	Yorkville Station.....	Edward Janeck
July	2. Surfman George Sotton.....	Yorkville Station.....	Albert Cohen
	3. Surfman Edward Karsten.....	Yorkville Station.....	John Ward
	Surfman Edward Karsten.....	Yorkville Station.....	Walter Casey
	4. Boatswain C. Coyle.....	Yorkville Station.....	Adolf Maurice
	Boatswain C. Coyle.....	Yorkville Station.....	Tony Matrillo
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Edward Miller
	5. Surfman Thomas O'Brien.....	Yorkville Station.....	P. Broderick
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	George Owens
	7. Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Thomas Ritzad
	13. Surfman Victor Sotton.....	Yorkville Station.....	Joseph Albrecht
	14. Surfman George Sotton.....	Yorkville Station.....	Stephen Hettyr
	15. Surfman Edward Karsten.....	Yorkville Station.....	John Ulfeder
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	George McMullen
	16. Surfman Edward Karsten.....	Yorkville Station.....	John O'Hare
	Surfman Thomas O'Brien.....	Yorkville Station.....	Herold Cheney
17.	Surfman Thomas O'Brien.....	Yorkville Station.....	Edward Stenger
	Surfman Victor Sotton.....	Yorkville Station.....	Pietro Ferlita
	Surfman Victor Sotton.....	Yorkville Station.....	Joseph Burnett

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 23

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	17. Surfman Victor Sotton.....	Yorkville Station.....	Ralph Roth
	Surfman Victor Sotton.....	Yorkville Station.....	William Chasen
	Surfman Victor Sotton.....	Yorkville Station.....	William O'Grady
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Albert Devino
	Surfman George Sotton.....	Yorkville Station.....	George Widner
	18. Surfman Thomas O'Brien.....	Yorkville Station.....	E. Bickle
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	James Larken
	Surfman George Sotton.....	Yorkville Station.....	Henry Espenahid
	Surfman Thomas O'Brien.....	Yorkville Station.....	Michael Costo
	Edward Karsten.....	Yorkville Station.....	George Hiens
	Surfman Victor Sotton.....	Yorkville Station.....	Wm. Fredericks
	Surfman Victor Sotton.....	Yorkville Station.....	M. Dempsey
	Surfman George Sotton.....	Yorkville Station.....	Louis Weissner
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Howard Kolb
	Surfman Edward Karsten.....	Yorkville Station.....	John Koerver
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Nat Grieser
	Surfman Edward Karsten.....	Yorkville Station.....	Helen Weller
	Surfman Victor Sotton.....	Yorkville Station.....	George Espanet
	19. Surfman Victor Sotton.....	Yorkville Station.....	Edward Dwyer
	Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Charles Lease
	21. Surfman Victor Sotton.....	Yorkville Station.....	James Canavan
	23. Surfman Edward Karsten.....	Yorkville Station.....	Alfred Moore
	24. Surfman Victor Sotton.....	Yorkville Station.....	Thomas Hill
	Captain Joseph Euler.....	Yorkville Station.....	George Kuban
	25. Surfman Victor Sotton.....	Yorkville Station.....	Henry Lange
	Surfman Victor Sotton.....	Yorkville Station.....	Paul Boehmann
	Surfman Charles M. Strauss.....	Yorkville Station.....	John McNamara
	26. Surfman Edward Karsten.....	Yorkville Station.....	Irving Rosenberg
	Surfman Victor Sotton.....	Yorkville Station.....	John O'Connor
	Surfman Victor Sotton.....	Yorkville Station.....	Joseph Rarus
	27. Surfman Charles M. Strauss.....	Yorkville Station.....	Margaret Kerngan
	28. Surfman Charles M. Strauss.....	Yorkville Station.....	Robert Farrell
	29. Surfman George Sotton.....	Yorkville Station.....	Joseph Weisman
	31. Boatswain C. Coyle.....	Yorkville Station.....	William Muller
	Surfman Victor Sotton.....	Yorkville Station.....	James Tracey
	Surfman Charles Goertler.....	Yorkville Station.....	Geo. Schouffl
	Surfman Victor Sotton.....	Yorkville Station.....	Edward Seisch
	Surfman Charles Goertler.....	Yorkville Station.....	Elizabeth Simons
	Surfman J. Detman.....	Yorkville Station.....	Leroy Schiff
	Surfman J. Detman.....	Yorkville Station.....	B. Keynon
	Surfman Charles Goertler.....	Yorkville Station.....	J. Sheri
	Surfman Charles Goertler.....	Yorkville Station.....	Louis Plotkin
Aug.	1. Surfman George Sotton.....	Yorkville Station.....	Peter Walsh
	Surfman J. Detman.....	Yorkville Station.....	John Einband
	Surfman Victor Sotton.....	Yorkville Station.....	Frank Ready
	Surfman J. Schlegel.....	Yorkville Station.....	E. Jacoby
	Captain Joseph Euler.....	Yorkville Station.....	Mary Miller
	Surfman Charles Goertler.....	Yorkville Station.....	Mary O'Neil
	Surfman Charles Goertler.....	Yorkville Station.....	L. Davis
	Surfman Victor Sotton.....	Yorkville Station.....	Anna Dressel
	2. Captain Joseph Euler.....	Yorkville Station.....	John Doyle
	Surfman LaOsa.....	Yorkville Station.....	Joseph Rupper
	Surfman Edward Karsten.....	Yorkville Station.....	Jacob Greenstein
	Surfman Edward Karsten.....	Yorkville Station.....	Abraham Ackerman
	Surfman Edward Karsten.....	Yorkville Station.....	Henry Freud
	Captain Joseph Euler.....	Yorkville Station.....	Patrick Ward
	Surfman Edward Karsten.....	Yorkville Station.....	A. Mandel
	Captain Joseph Euler.....	Yorkville Station.....	John Keenan
	Surfman Victor Sotton.....	Yorkville Station.....	Henry Resemeyer
	Surfman Victor Sotton.....	Yorkville Station.....	Arthur Duranter
	Captain Joseph Euler.....	Yorkville Station.....	Max Cohen

Date 1917.	Members rendering " first aid "	Place where	Persons assisted
Aug.	2. Surfman LaOsa.	Yorkville Station.	John VanHassel
	Surfman Edward Karsten.	Yorkville Station.	Frank Ruda
	Surfman LaOsa.	Yorkville Station.	Timothy Fitzgibbon
	Captain Joseph Euler.	Yorkville Station.	Walter Kopp
	Captain Joseph Euler.	Yorkville Station.	Paulina Hill
	Boatswain Chas. Coyle.	Yorkville Station.	John Dooley
	3. Surfman Chas. Goertler.	Yorkville Station.	William Langer
	Surfman Chas. Goertler.	Yorkville Station.	Joseph Seligson
	Surfman Chas. Goertler.	Yorkville Station.	Leo Sperber
	Surfman Chas. Goertler.	Yorkville Station.	Philip Hopp
	Surfman Victor Sotton.	Yorkville Station.	V. Meeshan
	4. Surfman Victor Sotton.	Yorkville Station.	G. Ceaposa
	5. Boatswain Chas. Coyle.	Yorkville Station.	David Rosenbluth
	7. Surfman Victor Sotton.	Yorkville Station.	John Dattner
	Surfman Victor Sotton.	Yorkville Station.	Chas. Goertler
	Boatswain Chas. Coyle.	Yorkville Station.	Wm. McKenna
	Surfman Victor Sotton.	Yorkville Station.	L. Sykora
	Surfman Victor Sotton.	Yorkville Station.	Aaron Herman
	Surfman Victor Sotton.	Yorkville Station.	Herman Ripe
	8. Surfman Charles Goertler.	Yorkville Station.	John Lauze
	Surfman Victor Sotton.	Yorkville Station.	M. Doras
	9. Surfman Victor Sotton.	Yorkville Station.	William Coine
	10. Surfman Victor Sotton.	Yorkville Station.	W. Apmann
	Surfman Edward Karsten.	Yorkville Station.	Samuel Coscia
	Boatswain Chas. Coyle.	Yorkville Station.	Samuel Gussak
	13. Surfman Victor Sotton.	Yorkville Station.	William Nallan
	Surfman Charles Goertler.	Yorkville Station.	Max Brand
	14. Surfman Charles Goertler.	Yorkville Station.	Louis Sheikin
	Surfman Victor Sotton.	Yorkville Station.	Milto Kline
	Captain Joseph Euler.	Yorkville Station.	Henry Marex
	15. Captain Joseph Euler.	Yorkville Station.	Charles Schwager
	16. Surfman Victor Sotton.	Yorkville Station.	William Schaffer
	Captain Joseph Euler.	Yorkville Station.	Joseph Bissat
	17. Surfman Charles Goertler.	Yorkville Station.	Samuel Bellachie
	Captain Joseph Euler.	Yorkville Station.	G. Manceny
	Captain Joseph Euler.	Yorkville Station.	Chas. Coyle
	18. Surfman Victor Sotton.	Yorkville Station.	Tony Fasanaro
	Surfman George Sotton.	Yorkville Station.	I. Cohen
	Surfman Charles Christie.	Yorkville Station.	Joseph Marinoff
	Captain Joseph Euler.	Yorkville Station.	Unknown man
	20. Boatswain Nelson.	Yorkville Station.	Anthony Satrona
	Surfman Victor Sotton.	Yorkville Station.	George Bauer
	Surfman Victor Sotton.	Yorkville Station.	G. Hyman
	Captain Joseph Euler.	Yorkville Station.	B. Klien
	21. Surfman Victor Sotton.	Yorkville Station.	Louis Bonder
	Surfman Edward Karsten.	Yorkville Station.	Benjamin Goldberg
	22. Boatswain Chas. Coyle.	Yorkville Station.	Frank Koler
	23. Surfman Victor Sotton.	Yorkville Station.	John Schauer
	24. Surfman Charles Goertler.	Yorkville Station.	Mike Cappi
	Surfman Victor Sotton.	Yorkville Station.	Leonard Tufts
	Surfman Charles Goertler.	Yorkville Station.	Michael Fitton
	25. Boatswain Chas. Coyle.	Yorkville Station.	J. McNamara
	26. Surfman Victor Sotton.	Yorkville Station.	Paul Harste
	Surfman Charles Goertler.		
	Surfman Charles Goertler.	Yorkville Station.	A. Hyman/veinsky
	31. Surfman Victor Sotton.		Robert Scott
Sept.	2. Surfman Victor Sotton.	Yorkville Station.	James Devedo
	5. Surfman Charles Goertler.	Yorkville Station.	Jacob Dollack
	12. Surfman Victor Sotton.	Yorkville Station.	Fred Leis
	17. Boatswain Chas. Coyle.	Yorkville Station.	Daniel Cohen
	23. Boatswain Chas. Coyle.	Yorkville Station.	Henry Cohhv

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 25

YORKVILLE DIVISION

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Oct.	24. Boatswain Chas. Coyle.....	Yorkville Station.....	Michael Hagerty
	29. Captain Joseph Euler.....	Yorkville Station.....	William Klein
Nov.	2. Surfman Victor Sotton.....	Yorkville Station.....	Frank Caccio
	20. Boatswain Chas. Coyle.....	Yorkville Station.....	William Kahn
Dec.	29. Boatswain Chas. Coyle.....	Yorkville Station.....	Himself
	11. Sr. Lieut. William Karsten.....	Yorkville Station.....	John Downes
	16. Surfman George Sotton.....	Yorkville Station.....	John Dooley

HARLEM DIVISION

Jan.	19. Surg. Mate E. O'Connor.....	Harlem Station.....	Samuel Goldberg
Feb.	17. Surg. Mate E. O'Connor.....	Harlem Station.....	Himself
	29. Surg. Mate E. O'Connor.....	Harlem Station.....	M. McGloin
Mar.	1. Surg. Mate E. O'Connor.....	Harlem Station.....	Himself
	Surg. Mate E. O'Connor.....	Harlem Station.....	M. McGloin
	15. Surg. Mate E. O'Connor.....	Harlem Station.....	Max Goodwin
April	10. Surg. Mate E. O'Connor.....	Harlem Station.....	John Burns
May	7. Surg. Mate E. O'Connor.....	Harlem Station.....	Himself
	9. Surg. Mate E. O'Connor.....	Harlem Station.....	Samuel Goldberg
	Surg. Mate E. O'Connor.....	Harlem Station.....	George Sanders
	11. Surg. Mate E. O'Connor.....	Harlem Station.....	E. Connors
	Surg. Mate E. O'Connor.....	Harlem Station.....	Unknown man
June	15. Surg. Mate E. O'Connor.....	Harlem Station.....	Max Abramwitz
	19. Surg. Mate E. O'Connor.....	Harlem Station.....	J. Gosett
	20. Coxswain Andrew Birnie.....	Harlem Station.....	J. McKevitt
	24. Surg. Mate E. O'Connor.....	Harlem Station.....	David Folkstein
	Surg. Mate E. O'Connor.....	Harlem Station.....	Unknown boy
	Surg. Mate E. O'Connor.....	Harlem Station.....	John McDonnell
	28. Surg. Mate E. O'Connor.....	Harlem Station.....	J. Gerhart
	29. Surfman Charles Etccl.....	Harlem Station.....	Himself
	30. Surg. Mate E. O'Connor.....	Harlem Station.....	William Woods
	Surfman Charles Etccl.....	Harlem Station.....	Harry Blumfield
July	Surfman Charles Etccl.....	Harlem Station.....	George Etccl
	Coxswain Andrew Birnie.....	Harlem Station.....	James Walsh
	7. Coxswain Andrew Birnie.....	Harlem Station.....	J. Sullivan
	Coxswain Andrew Birnie.....	Harlem Station.....	J. Kevitt
	14. Surfman George Etccl.....	Harlem Station.....	James Witty
	Surfman Chas. Etccl.....		
	Surfman George Etccl.....	Harlem Station.....	Unknown boy
	16. Surfman Charles Etccl.....	Harlem Station.....	George Etccl
	Coxswain M. McGloin.....	Harlem Station.....	Himself
	Surg. Mate E. O'Connor.....	Harlem Station.....	Joseph O'Connor
	Surfman Chas. Etccl.....	Harlem Station.....	E. Reynolds
	Surfman Chas. Etccl.....	Harlem Station.....	Thomas Reynolds
Aug.	17. Surfman Jacob Bloomfield.....	Harlem Station.....	Jacob Carman
	3 Members of Division.....	Harlem Station.....	Michael Morris
	Surfman Chas. Etccl.....	Harlem Station.....	William Reynolds
	Surfman Jacob Bloomfield.....	Harlem Station.....	J. Connors
	18. Surg. Mate E. O'Connor.....	Harlem Station.....	George Braum

RIVERSIDE DIVISION

April	24. John Sims.....	Riverdale.....	J. Mulligan
	27. John Sims.....	Riverdale.....	T. Lane
	28. John Sims.....	Riverdale.....	J. Smith
	John Sims.....	Riverdale.....	Wm. Schaub
May	29. John Sims & J. Neppels.....	Riverdale.....	Henry Anderla
	5. John Sims.....	Riverdale.....	George Schall
	6. John Sims.....	Riverdale.....	B. Companeri
	John Sims.....	Riverdale.....	A. Beddas

Date 1917	Members tendering "first aid"	Place where	Persons assisted
May	11. John Sims.....	Riverdale.....	Joe Smith
	12. John Sims.....	Riverdale.....	W. Schwab
	19. W. Schwab.....	Riverdale.....	J. Sims
	John Sims.....	Riverdale.....	J. Schwab
	20. John Sims.....	Riverdale.....	J. Shore
June	John Sims.....	Riverdale.....	M. Outwater
	3. William Schwab.....	Riverdale.....	William Schwab
	16. John Sims.....	Riverdale.....	Anna Bawn
	John Sims.....	Riverdale.....	F. Shickler
	17. John Sims.....	Riverdale.....	G. Lusignan
July	24. John Sims.....	Riverdale.....	J. Grillerio
	30. John Sims.....	Riverdale.....	Unknown woman
	1. John Sims.....	Riverdale.....	John Sims
Jan.	13. Capt. Purdy.....	Central Park.....	Joseph Kraus
	Capt. Purdy.....	Central Park.....	Mr. Johnson
	Capt. Purdy.....	Central Park.....	Theodore Land
	Capt. Purdy.....	Central Park.....	Philip Gries
	20. Capt. Purdy.....	Central Park.....	Jeanne Capdiville
Feb.	21. Capt. Purdy.....	Central Park.....	Clara Rionan
	22. Capt. Purdy.....	Central Park.....	Frank Teply
	26. Capt. Purdy.....	Central Park.....	Mr. Krager
	27. Capt. Purdy.....	Central Park.....	H. C. Bernheim
	4. Capt. Purdy.....	Central Park.....	D. Frank
	5. Capt. Purdy.....	Central Park.....	Peter Murphy
	7. Capt. Purdy.....	Central Park.....	John McCaghin
	Capt. Purdy.....	Central Park.....	E. Jolly
	10. Capt. Purdy.....	Central Park.....	I. E. Christian
	Capt. Purdy.....	Central Park.....	E. F. Moran
	Capt. Purdy.....	Central Park.....	James Reily
	Capt. Purdy.....	Central Park.....	Sidney Fuchs
	Capt. Purdy.....	Central Park.....	W. Thorn
	11. Capt. Purdy.....	Central Park.....	Miss Levy
	Capt. Purdy.....	Central Park.....	Mr. Goodman
June	Capt. Purdy.....	Central Park.....	John Muller
	12. Capt. Purdy.....	Central Park.....	J. J. Flynn
	Capt. Purdy.....	Central Park.....	Rob Brenner
	11. Capt. Purdy.....	Central Park.....	Alice Laudan

RESCUES

RED WING BOAT CLUB

Date 1917	Persons Making Rescues	Place where	Persons assisted
July	15. Boatswain William Scanlon.....	Red Wing Boat Club.....	Clar Gibney
	Surfman Frank Kingsley.....	Red Wing Boat Club.....	Mario Cortanga
	Boatswain William Scanlon.....	Red Wing Boat Club.....	Patrick Glynn
	Surfman Frank Kingsley.....	Red Wing Boat Club.....	Edward Powers
	Boatswain William Scanlon.....	Red Wing Boat Club.....	Henry Herbs
Aug.	Surfman Frank Kingsley.....	Red Wing Boat Club.....	Thomas Dolan
	Sr. Lieut. John McPhillips.....	Red Wing Boat Club.....	S. Bressinger
	18. Surfman Theodore Swain.....	Red Wing Boat Club.....	
	23. Surfman H. Wollesen.....	Red Wing Boat Club.....	
	28. Captain John Murray.....	Red Wing Boat Club.....	

YORKVILLE DIVISION

June	24. Boatswain Charles Coyle.....	Yorkville Station.....	Edward Janecsek
July	13. Surfman Victor Sotton.....	Yorkville Station.....	Joseph Albrecht
	24. Surfman Victor Sotton.....	Yorkville Station.....	Thomas Hill
	29. Surfman George Sotton.....	Yorkville Station.....	Joseph Weissman

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 27

Date 1917	Member making rescue	Place where	Person rescued
July	31. Boatswain Charles Coyle.....	Yorkville Station.....	William Muller
	Surfman George Sotton.....	Yorkville Station.....	James Tracey
	Surfman Schlegel.....		
Aug.	1. Surfman George Sotton.....	Yorkville Station.....	Peter Walsh
	Surfman J. Detman.....	Yorkville Station.....	John Einband
	2. Captain Joseph Euler.....	Yorkville Station.....	John Doyle
	Surfman LaOsa.....	Yorkville Station.....	Joseph Rupper
	7. Boatswain Charles J. Coyle....	Yorkville Station.....	William McKenna
	13. Surfman Charles Goertler.....	Yorkville Station.....	Max Bland
	15. Captain Joseph Euler.....	Yorkville Station.....	Charles Schweiger
	20. Boatswain Nelson.....	Yorkville Station.....	Anthony Satrona
	22. Boatswain Charles Coyle.....	Yorkville Station.....	Frank Koler
	26. Surfman Victor Sotton.....	Yorkville Station.....	Paul Harste
Sept.	Surfman Charles Goertler.....		
	5. Surfman Charles Goertler.....	Yorkville Station.....	Jacob Pollack
	23. Boatswain Charles Coyle.....	Yorkville Station.....	Henry Cohhs
	Mr. William Schweitzer.....		

HARLEM DIVISION

July	17. Surfman Jacob Bloomfield.....	Harlem Station.....	Jacob Carman
	3 Members of Harlem Division..	Harlem Station.....	Michael Morris

RIVERSIDE DIVISION

July	4. Surfman H. Conrad.....	Riverside Station.....	John Poppe
	Surfman John Boylan.....		

GRAND STREET DIVISION

Feb.	26. Captain Stern.....	Grand Street Station.....	Joseph Massonne
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QUEENSBORO BRIDGE DIVISION

	6. Surfman Charles Beller.....	Queensboro Bridge.....	L. Arromitto
	Surfman Vincent Maguire....		
	Surfman William O'Brien....		
	16. Captain Peter Nelson.....	Queensboro Bridge.....	James Brady
	27. Surfman Jacob Nelson.....	Queensboro Bridge.....	2 unknown boys
	Surfman Chas. Mahuken.....		
	30. Surfman Charles Beller.....	Queensboro Bridge.....	A. Bisio
	31. Surg. Mate Frank Higgins...	Queensboro Bridge.....	Unknown man
	Surfman Jacob Nelson.....		
	Boatswain William Zieher....		
Dec.	7. Surfman Charles Beller.....	Queensboro Bridge.....	Unknown man

QUEENSBORO BRIDGE DIVISION

AUXILIARY

July	30. Surfman Vincent Maguire....	Queensboro Bridge.....	George Wagner
	31. Surfman Michael Lacey.....	Queensboro Bridge.....	{ Fred Dolan Edward Ruenecke Arthur Bunyon
Aug.	3. Surfman Thomas Cusick....	Queensboro Bridge.....	J. Grash
	Boatswain Wm. Zieher.....		
	5. Lieut. William O'Brien.....	Queensboro Bridge.....	{ J. Carroll Robert Thum
	Surfman Michael Lacey.....		
	Boatswain Thos. McAvaney....		
	19. Surfman Thomas Cusick....	Queensboro Bridge.....	3 unknown men
	Boatswain Thos. McAvaney....		
	Lieut. William O'Brien.....		

Date 1917	Member making rescue	Place where	Person rescued
Aug.	19. Surfman Vincent Maguire....	Queensboro Bridge.....	4 unknown boys
	Boatswain Wm. Zieher.....		
	Surfman P. Wilbur.....		
Sept.	8. Surfman Vincent Maguire....	Queensboro Bridge.....	Unknown man
	Lieut. Wm. O'Brien.....		

BOATS ASSISTED

QUEENSBORO BRIDGE DIVISION

Date 1917	Members giving Assistance	Place where	Boats assisted
Feb.	17. Surfman Chas. Beller.....	Queensboro Bridge.....	1 coal barge
	Surfman Jacob Nelson.....		
	Jr. Lieut. Chas. Mahuken....		
June	19. Surfman Charles Beller.....	Queensboro Bridge.....	4 barges
	Jr. Lieut. Chas. Mahuken....		
	Surfman Chas. Beller.....	Queensboro Bridge.....	1 scow
	Surg. Mate Frank Higgins....		
	15. Surfman Chas. Beller.....		
July	17. Captain Peter Nelson.....	Queensboro Bridge.....	1 motor boat (4 persons)
	Boatswain William Zieher....		
	Surfman Chas. Beller.....		
	Surfman Jacob Nelson.....		
	27. Surfman Chas. Beller.....	Queensboro Bridge.....	1 motor boat
	Jr. Lieut. Chas. Mahuken....		
	Surfman Jacob Nelson.....	Queensboro Bridge.....	1 motor boat (3 persons)
	Captain Peter Nelson.....		
	Surfman Jacob Nelson.....	Queensboro Bridge.....	1 steamer
	15. Surfman Charles Beller.....		
	Surfman John McDermott....		
	Surfman A. Miller.....	Queensboro Bridge.....	1 launch
Aug.	3. Captain Peter Nelson.....		
	Aux. William O'Brien.....	Queensboro Bridge.....	1 power dory (4 persons)
	Aux. Thomas Cusick.....		
	8. Surg. Mate Frank Higgins....	Queensboro Bridge.....	1 row boat
	Surfman Charles Beller.....		
	9. Surg. Mate Frank Higgins....	Queensboro Bridge.....	1 launch (3 persons)
	Surfman Charles Beller.....		
	21. Surfman Charles Beller.....	Queensboro Bridge.....	1 barge
Sept.	Captain Peter Nelson.....		
	Captain Peter Nelson.....	Queensboro Bridge.....	{ Correction boat (50 persons)
	Boatswain William Zieher....		
	Surfman Charles Beller.....		
	Surfman Jacob Nelson.....		
	2. Surfman Charles Beller.....	Queensboro Bridge.....	1 motor boat (2 persons)

QUEENSBORO BRIDGE DIVISION

AUXILIARY

May	18. Captain Paul Maguire.....	Queensboro Bridge.....	1 motor boat
Sept.	21. Captain Paul Maguire.....	Queensboro Bridge.....	1 motor boat

YORKVILLE DIVISION

July	4. Boatswain Charles Coyle....	Yorkville Station.....	1 motor boat
	Surfman George Sotton.....		
	Jr. Lieut. Wm. Karsten.....		
	Boatswain Charles Coyle....		
	Surfman Edward Karsten.....	Yorkville Station.....	1 motor boat (6 persons)
	Jr. Lieut. Wm. Karsten.....		

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 29

Date 1917	Member giving assistance	Place where	Boats assisted
July	4. Boatswain Charles Coyle..... Surfman Edward Karsten.....	Yorkville Station.....	1 row boat (2 persons)
	Boatswain Charles Coyle.....	Yorkville Station.....	1 row boat
Aug.	2. Surfman George Sotton.....	Yorkville Station.....	1 row boat
	Boatswain Charles Coyle.....	Yorkville Station.....	2 row boats
	28. Boatswain Charles Coyle.....	Yorkville Station.....	1 row boat
	29. Surfman Charles Goertler.....	Yorkville Station.....	1 row boat
	Boatswain Charles Coyle.....	Yorkville Station.....	1 scow
	Surfman Charles Goertler.....		
Oct.	28. Boatswain Charles Coyle.....	Yorkville Station.....	1 launch
	Captain Joseph Euler.....		
Nov.	12. Surfman Victor Sotton.....		
	Surfman George Sotton.....	Yorkville Station.....	1 launch (2 persons)
	Boatswain Charles Coyle.....		

RIVERSIDE DIVISION

July	4. Coxswain C. Marschausen.....	Riverside Station.....	1 launch
	14. Surfman J. Boylan.....		
	Surfman G. Allen.....	Riverside station.....	{ 1 motor launch and party
	Surfman J. Zimnock.....		
	16. Captain Wm. Corcoran.....		
	Surfman G. Allen.....	Riverside Station.....	1 barge
	Surfman J. Zimnock.....		
	Coxswain C. Marschausen.....		
	26. Surfman J. Boylan.....	Riverside Station.....	1 row boat (1 person)
	Surfman Leo Giebel.....		
Aug.	1. Boatswain E. Hennelly.....	Riverside Station.....	1 motor launch
	5. Surfman J. Zimnock.....	Riverside Station.....	1 row boat (1 person)
	Captain W. Corcoran.....		
	9. Captain W. Corcoran.....	Riverside Station.....	1 launch
	15. Capt. Wm. Corcoran and Crew.....	Riverside Station.....	1 raft (2 persons)
April	28. W. Kronenberger.....	Riverdale.....	Boat "Mona" and 5 persons
	29. John Sims.....	Riverdale.....	Canoe and 2 persons
May	6. John Sims and Crew.....	Riverdale.....	Canoe and 2 persons
	20. John Sims and Crew.....	Riverdale.....	Motor boat and 8 persons
June	17. John Sims and Crew.....	Riverdale.....	Motor boat and 5 persons

BODIES RECOVERED

RIVERSIDE DIVISION

Date 1917	Members giving assistance	Place where	Bodies recovered
July	1. Jr. Lieut. John Weis.....		
	Surfman B. Mass.....		
	Surfman H. Conrad.....	Riverside Station.....	Nathan Berkowitz
	Surfman J. Lynsky.....		
	Coxswain C. Marschausen.....		
	24. Surfman John Boylan.....	Riverside Station.....	Thomas O'Connor
Aug.	5. Surfman B. Mass.....	Riverside Station.....	John Mordiga

QUEENSBORO BRIDGE DIVISION

July	25. Surfman Charles Beller.....	Queensboro Bridge.....	Joseph Solavador
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QUEENSBORO BRIDGE DIVISION

AUXILIARY

Sept.	5. Captain Paul Maguire..... Lieut. William O'Brien.....	Queensboro Bridge.....	Unknown man
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ALLEN POINT DIVISION

Date 1917	Members giving as istance	Place where	Bodies recovered
Aug. 23.	Surfman John Doran.....	Allen Point Station.....	William Gerathy
	Surfman Fred Zaminer.....		
Sept. 2.	Captain John Murray.....	Allen Point Station.....	Unknown man
	Coxswain P. McDonald.....		
	Boatswain W. Scanlon.....		

YORKVILLE DIVISION

May 15.	Captain Joseph Euler.....	Yorkville Station.....	Philip Scellato
Aug. 10.	Surfman George Sotton.....	Yorkville Station.....	Leonard Herbst
	Charles Goertler.....		

HARLEM DIVISION

July 14.	Coxswain A. Bernie.....	Harlem Station.....	Unknown man
	Surfman M. McGloin.....		

WRECKAGE

RIVERSIDE STATION

Date 1917	Members giving Assistance	Place where	Wreckage removed
May 12.	Surfman J. Lynsky.....	Riverside.....	2 logs
June 9.	Boatswain E. Hennelly.....	Riverside.....	Pole
	10. Jr. Lieut. Weis.....	Riverside.....	2 logs
	Coxswain C. Marschausen.....		
	12. Coxswain P. Wilbur.....	Riverside.....	Log
July 4.	Surfman J. Flood.....	Riverside.....	Log
	Surfman P. Healy.....		
	Surfman J. Flood.....	Riverside.....	Log
	Surfman P. Healy.....		
	5. Jr. Lieut. Weis.....	Riverside.....	Log
	Coxswain C. Marschausen.....		
	6. Captain W. Corcoran.....	Riverside.....	Log
	13. Jr. Lieut. Weis.....	Riverside.....	Log
	14. Jr. Lieut. Weis.....	Riverside.....	Log
	Boatswain E. Hennelly.....	Riverside.....	Log
Aug. 15.	Jr. Lieut. Weis.....	Riverside.....	3 logs, 2 cases
	Boatswain E. Hennelly.....	Riverside.....	Log
Oct. 8.	Boatswain E. Hennelly.....	Riverside.....	3 logs, 2 barrels
Nov. 1.	Surfman P. Healy.....	Riverside.....	Log
	Surfman E. Roach.....		

QUEENSBORO BRIDGE DIVISION

April 22.	Surg. Mate Frank Higgins.....	Queensboro Bridge.....	Log
	25. Surg. Chas. Beller.....	Queensboro Bridge.....	Log
June 10.	Surg. Jacob Nelson.....	Queensboro Bridge.....	Top of Cabin
	11. Surg. Jacob Nelson.....	Queensboro Bridge.....	Log
	13. Surfman Jacob Nelson.....	Queensboro Bridge.....	Log
	Surfman Chas. Beller.....		
	17. Captain Peter Nelson.....	Queensboro Bridge.....	Large raft
	Surfman Chas. Beller.....		
	Surg. Mate Frank Higgins.....		
	18. Jr. Lieut. Mahuken.....	Queensboro Bridge.....	Log
	Surfman Charles Beller.....		
	Surfman Jacob Nelson.....		
Aug. 2.	Boatswain Wm. Zeiher.....	Queensboro Bridge.....	Log
	Surfman Jacob Nelson.....		
Sept. 28.	Captain Peter Nelson.....	Queensboro Bridge.....	Log
	Surfman Chas. Beller.....		

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 31

QUEENSBORO BRIDGE DIVISION

AUXILIARY

Date 1917	Member giving assistance	Place where	Wreckage removed
Jan.	14. Captain Paul Maguire.....	Queensboro Bridge.....	Mass of timbers
Feb.	8. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	Lieut. Wm. O'Brien.....		
	11. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	27. Surfman J. Kral.....	Queensboro Bridge.....	Log
Mar.	15. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	17. Auxiliary Crew.....	Queensboro Bridge.....	Bottom of Skiff
	24. Auxiliary Crew.....	Queensboro Bridge.....	Log
	26. Auxiliary Crew.....	Queensboro Bridge.....	2 planks
	Auxiliary Crew.....	Queensboro Bridge.....	Log
	31. Auxiliary Crew.....	Queensboro Bridge.....	Log
	Auxiliary Crew.....	Queensboro Bridge.....	Log
April	2. Surfman V. Maguire.....	Queensboro Bridge.....	Log
	Auxiliary Crew.....	Queensboro Bridge.....	Log
	Auxiliary Crew.....	Queensboro Bridge.....	Log
May	1. Surfman V. Maguire.....	Queensboro Bridge.....	2 planks
	9. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	Surfman V. Maguire.....		
	13. Surfman V. Maguire.....	Queensboro Bridge.....	Log
	17. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	21. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	25. Surfman J. Kral.....	Queensboro Bridge.....	4 logs
	Surfman Thomas Cusick.....		
	27. Lieut. Gerald Kral.....	Queensboro Bridge.....	Log
	29. Surfman D. Enderly.....	Queensboro Bridge.....	Log
June	14. Captain Paul Maguire.....	Queensboro Bridge.....	Plank
	Captain Paul Maguire.....	Queensboro Bridge.....	Large raft
	Lieut. Wm. O'Brien.....		
	15. Surfman Thomas Cusick.....	Queensboro Bridge.....	Log
	16. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	Surfman Vincent Maguire.....		
	Lieut. William O'Brien.....	Queensboro Bridge.....	Log
	Lieut. Gerald Kral.....	Queensboro Bridge.....	Log
	19. Lieut. William O'Brien.....	Queensboro Bridge.....	3 logs
	20. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	22. Captain Paul Maguire.....	Queensboro Bridge.....	Log
	23. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	24. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	26. Surfman Thomas Cusick.....	Queensboro Bridge.....	Log
	Surfman Vincent Maguire.....		
	Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	30. Surfman Fritspatrick.....	Queensboro Bridge.....	Log
	Surfman Lockhard.....		
July	5. Boatswain Thomas McAveney.....	Queensboro Bridge.....	Log
	7. Captain Paul Maguire.....	Queensboro Bridge.....	2 planks
	8. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Large raft
	9. Captain Paul Maguire.....	Queensboro Bridge.....	2 large spiles
	Surfman Vincent Maguire.....		
	Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Raft
	Surfman Thomas Cusick.....		
	12. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	Boatswain Thomas McAveney.....		
	14. Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Plank
	Surfman Lockhard.....		
	Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Large spile
	Surfman Vincent Maguire.....		
	Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Plank
	Surfman Vincent Maguire.....		

Date 1917	Member giving assistance	Place where	Wreckage removed
July	14. Surfman Vincent Maguire.....	Queensboro Bridge.....	Log
	Lieut. Wm. O'Brien.....		
	Surfman Vincent Maguire.....	Queensboro Bridge.....	Plank
	12. Surfman Vincent Maguire.....	Queensboro Bridge.....	2 large planks
Dec.	Lieut. Wm. O'Brien.....	Queensboro Bridge.....	Log
	Surfman Vincent Maguire.....		
	18. Lieut. Gerald Kral.....	Queensboro Bridge.....	Raft
	Lieut. Wm. O'Brien.....		
	Surfman Vincent Maguire.....		

YORKVILLE DIVISION

July	2. Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	Log
	4. Surfman George Sotton.....	Yorkville Station.....	Log
	Boatswain Charles Coyle.....	Yorkville Station.....	Log
	6. Surfman Edward Karsten.....	Yorkville Station.....	Raft
	Surfman George Sotton.....		
	Surfman Thomas O'Brien.....		
	15. Surfman Edward Karsten.....	Yorkville Station.....	Plank
	16. Jr. Lieut. Wm. Karsten.....	Yorkville Station.....	2 logs
	Surfman Edward Karsten.....	Yorkville Station.....	Log
	Jr. Lieut. Wm. Karsten.....		
	19. Surfman Edward Karsten.....	Yorkville Station.....	Log
	Surfman George Sotton.....		
	Jr. Lieut. Wm. Karsten.....		
Aug.	2. Boatswain Chas. Coyle.....	Yorkville Station.....	4 logs
	14. Boatswain Chas. Coyle.....	Yorkville Sta.....	2 Logs
	16. Surfman Goertler.....	Yorkville Sta.....	3 Logs
Sept.	Surfman Victor Sotton.....	Yorkville Sta.....	Log
	9. Surfman Charles Goertler.....		
	12. Surfman Charles Goertler.....		
	16. Surfman Victor Sotton.....	Yorkville Sta.....	Log
	Surfman George Sotton.....		
	Surfman Arthur Kiefer.....		
	Surfman Victor Sotton.....	Yorkville Sta.....	Park Bench
	17. Surfman George Sotton.....		
	Surfman Chas. Goertler.....		
Oct.	25. Boatswain Charles Coyle.....	Yorkville Sta.....	2 Logs
Nov.	2. Surfman LaOsa.....	Yorkville Sta.....	Log
	10. Boatswain Charles Coyle.....	Yorkville Sta.....	Log
	14. Captain Joseph Euler.....	Yorkville Sta.....	Log
	24. Boatswain Charles Coyle.....	Yorkville Sta.....	Log
	Surfman Edward Bennett.....		
Dec.	10. Sr. Lieut. Wm. Karsten.....	Yorkville Sta.....	Log
	24. Sr. Lieut. Wm. Karsten.....	Yorkville Sta.....	Log
	29. Boatswain Charles Coyle.....	Yorkville Sta.....	Log

FIRES EXTINGUISHED

QUEENSBORO BRIDGE DIVISION

DISTRICT 6

Date 1917	Members giving assistance	Place where	Fires extinguished
June	12. Surfman Jacob Nelson.....	Queensboro Bridge.....	Launch
	Surfman Chas. Beller.....		
	16. Surfman Chas. Beller.....	Queensboro Bridge.....	Scow
	Surfman Jacob Nelson.....		
	Surfman Chas. Beller.....	Queensboro Bridge.....	Scow
	30. Jr. Lieut. Chas. Mahuken.....		
	Surfman Jacob Nelson.....		

ANIMALS SAVED

QUEENSBORO BRIDGE DIVISION

AUXILIARY

DISTRICT 6

Date 1917	Members giving assistance	Place where	Animals assisted
June	Surfman Vincent Maguire....	Queensboro Bridge.....	1 Dog
	7. Lieut. Gerald Kral.....		
	Lieut. William O'Brien.....		
	Lieut. William O'Brien.....		
	30. Bo'san Thomas McAveney....		
	Surfman Vincent Maguire....	Queensboro Bridge.....	1 Dog

YORKVILLE DIVISION

July	14. Jr. Lieut. William Karsten....	Yorkville.....	1 Dog
	Surfman Victor Sotton.....		
	28. Surfman Victor Sotton.....	Yorkville.....	1 Dog
Nov.	5. Surfman George Sotton.....	Yorkville.....	1 Dog

BOROUGH OF BROOKLYN

FIRST AID

Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	22. Surfman Jos. Nadel.....	Parkway.....	Mr. Isaacs
	24. Senior Lieutenant Sherman....	Parkway.....	Charles Soldman
	Jr. Lieut. Irving Suben.....	Parkway.....	Abe Friedman
	Jr. Lieut. Irving Suben.....	Parkway.....	E. Schoen
	Jr. Lieut. Irving Suben.....	Parkway.....	Dick Polzer
	Jr. Lieut. Irving Suben.....	Parkway.....	Irving Goldberg
	Jr. Lieut. Irving Suben.....	Parkway.....	Ralph Berkowits
	Jr. Lieut. Irving Suben.....	Parkway.....	A. Coperman
	Jr. Lieut. Irving Suben.....	Parkway.....	Lillian Friedman
	Jr. Lieut. Irving Suben.....	Parkway.....	Sol. Hyman
	Surfman I. Marks.....	Parkway.....	Robert Lewis
	Surfman Jerry Borden.....	Parkway.....	Rolland Wittenberg
	Surfman Jerry Borden.....	Parkway.....	John Davis
	Surfman Jerry Borden.....	Parkway.....	Sol. Schwartz
	Surfman Jerry Borden.....	Parkway.....	Morris Kappel
	Surfman Jerry Borden.....	Parkway.....	Anna Solmowits
	27. Surfman Wm. Edelson.....	Parkway.....	Mrs. Fox
	28. Surgeon's Mate Jos. Newman....	Parkway.....	Jack Kelly
	29. Surfman Wm. Edelson.....	Parkway.....	Morris Coy
	30. Boatswain Sigmund Bruml....	Parkway.....	Ruth Kahn
July	Boatswain Sigmund Bruml....	Parkway.....	Rebecca Freed
	Jr. Lieut. Irving Suben.....	Parkway.....	Sid Goldstein
	1. Surfman Harry Colan.....	Parkway.....	Bea Yablon
	Surfman George Marks.....	Parkway.....	Louis Goldberg
	Surfman George Marks.....	Parkway.....	Max Toschin
	Surfman George Marks.....	Parkway.....	Louis Boskin
	Surfman Al Alpern.....	Parkway.....	Elinor Herschoff
	Surfman Al Alpern.....	Parkway.....	Chas. Dutweller
	Surfman Al Alpern.....	Parkway.....	Samuel Goldstein
	Surfman Al Alpern.....	Parkway.....	Irving Schuckuyer
	Surfman Al Alpern.....	Parkway.....	Morris Gussow
	Surfman Al Alpern.....	Parkway.....	Jack Schats
	Surgeon's Mate Joe Newman....	Parkway.....	N. Kass
	Surgeon's Mate Joe Newman....	Parkway.....	Harry Rubenstein

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	1. Surgeon's Mate Joe Newman.	Parkway	L. Meadow
	Surfman Joe Brown	Parkway	Florence Herman
	Surfman Joe Brown	Parkway	Moe Coneen
	Surfman Jerry Borden	Parkway	Harry Greenbaum
	Surfman Jerry Borden	Parkway	P. Frachtenberg
	Surfman Jerry Borden	Parkway	Jonn Shamstren
	Surfman Wm. Edelson	Parkway	Benj. Blumberg
	Surfman Wm. Edelson	Parkway	Fred Oblender
	Sr. Lieut. John Sherman	Parkway	Leo Spivak
	Sr. Lieut. John Sherman	Parkway	Albert Sherman
	Surfman Louis Borden	Parkway	Sol Snitcher
	2. Surfman George Marks	Parkway	Max Wolf
	Surfman Louis Borden	Parkway	Naomi Koplan
	Surfman Geo. Marks		
	Surfman Geo. Marks	Parkway	Philip A. Berg
	Jr. Lieut. Irving Suben	Parkway	A. Ferber
	Jr. Lieut. Irving Suben	Parkway	Jack McSorelley
	Surfman Albert Alpern	Parkway	Anna Haben
	Surfman Jerry Borden	Parkway	Alex Falsberg
	3. Surfman Albert Alpern	Parkway	Bernard Jacobson
	4. Surfman Albert Alpern	Parkway	Henry Hyman
	Surfman Borden	Parkway	Selma Spuler
	Surfman Marks		
	Surfman Geo. Marks	Parkway	Leonard Mandell
	Surfman Geo. Marks	Parkway	Mack Levy
	Jr. Lieut. Irving Suben	Parkway	M. Decker
	Surfman Wm. Edelson	Parkway	Blanche Lichtman
	Sr. Lieut. John Sherman	Parkway	Geo. Weinstein
	Sr. Mate Joe Newman	Parkway	Abraham Henry
	Surfman Louis Borden	Parkway	Philip Seigel
	Surfman Wm. Edelson	Parkway	Sylma Meskin
	Surfman Al Alpern	Parkway	Abe Resnick
	Surfman Jerry Borden	Parkway	Mr. Sig Mints
	Surfman Jerry Borden	Parkway	Benj. Goldenberg
	Surfman Borden	Parkway	Mrs. Getzel
	Surfman Marks		
	5. Surfman Al Alpern	Parkway	Louis Sperling
	Surfman Al Alpern	Parkway	Evelin Baron
	Boatswain Sig Bruml	Parkway	Sam Mandel
	Sr. Lieut. John Sherman	Parkway	J. Furstenberg
	Jr. Lieut. Irving Suben	Parkway	Mr. Tanger
	6. Jr. Lieut. Irving Suben	Parkway	Benj. Rosenberg
	Jr. Lieut. Irving Suben	Parkway	Sylvia Sippin
	Surfman John Borden	Parkway	D. Suben
	Sr. Lieut. John Sherman	Parkway	S. Kurkofsky
	7. Sr. Lieut. John Sherman	Parkway	Jonas Schornstern
	Sr. Lieut. John Sherman	Parkway	Wm. Heckler
	Surg. Mate Jos. Newman	Parkway	Ida Schuesek
	Surg. Mate Jos. Newman	Parkway	Rebecca Gold
	Surfman Jerry Borden	Parkway	Sam Friedman
	Surfman Al Alpern	Parkway	Mae Burke
	Surfman G. Marks		
	8. Surfman Friedman	Parkway	H. Ahrens
	Surfman George Marks	Parkway	Joseph Schnall
	Surfman George Marks	Parkway	Ben Rauche
	Surfman George Marks	Parkway	Joseph Marks
	Surfman Al Alpern	Parkway	John Lachagina
	Surfman Al Alpern	Parkway	Katharine Bulme
	Surfman Geo. Marks		
	Surfman H. Sabine	Parkway	Nathan Laffer

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 35

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	8. Jr. Lieut. Irving Suben.....	Parkway.....	Miss Richards
	Surfman H. Sabine.....	Parkway.....	Mrs. Gronbach
	Surfman H. Sabine.....	Parkway.....	J. Greenfield
	Surg. Mate J. M. Newman.....	Parkway.....	Milton Buren
	Surg. Mate J. M. Newman.....	Parkway.....	Joe. Greenlick
	Surg. Mate J. M. Newman.....	Parkway.....	Dr. Chodos
	9. Jr. Lieut. Irving Suben.....	Parkway.....	Rose Milner
	Surfman Geo. Marks.....	Parkway.....	Harry Levenstein
	10. Surfman Geo. Marks.....	Parkway.....	Eugene Rosner
	12. Boatswain Sig. Bruml.....	Parkway.....	Michael Nass
	Jr. Lieut. Irving Suben.....	Parkway.....	Mack Pallace
	Surfman Geo. Marks.....	Parkway.....	Julian Lewis
	Surfman Geo. Marks.....	Parkway.....	Geo. Dooley
	13. Surfman L. Borden.....	Parkway.....	Mrs. E. Kamas
	Boatswain Sig. Bruml.....	Parkway.....	Jack McSaeorley
	Jr. Lieut. Irving Suben.....	Parkway.....	N. Montoe
	Jr. Lieut. Irving Suben.....	Parkway.....	Jerry Levenson
	Jr. Lieut. Irving Suben.....	Parkway.....	Anna Feffer
	John Coville.....	Parkway.....	John Coville
	14. Surfman Geo. Marks.....	Parkway.....	David Weiss
	Surfman H. Sabine.....	Parkway.....	Max Reisine
	G. Marks.....		
	Jr. Lieut. Irving Suben.....	Parkway.....	Jennie Levenson
	Jr. Lieut. Irving Suben.....	Parkway.....	H. Adler
	Jr. Lieut. Irving Suben.....	Parkway.....	D. Jacobson
	Jr. Lieut. Irving Suben.....	Parkway.....	John Eposito
	Jr. Lieut. I. Suben.....	Parkway.....	Michael Karas
	Surfman Jerry Borden.....	Parkway.....	Wm. Silver
	15. Miss Cherkine (Nurse).....	Parkway.....	Jr. Lieut. Irving Suben
	Jr. Lieut. Irving Suben.....	Parkway.....	B. Raucher
	Boatswain Sig. Bruml.....	Parkway.....	J. Furstenberg
	Boatswain Sig. Bruml.....	Parkway.....	J. Levine
	Boatswain Sig. Bruml.....	Parkway.....	A. Rosenblatt
	Surfman Jerry Borden.....	Parkway.....	J. H. Pepper
	Coxswain Harry Model.....	Parkway.....	S. Kaplan
	16. Jr. Lieut. Irving Suben.....	Parkway.....	S. Blogg
	Surfman Geo. Marks.....	Parkway.....	Jackson Leuts
	Surfman Geo. Marks.....	Parkway.....	Fred Weiss
	Surfman Geo. Marks.....	Parkway.....	Herman Lubelakey
	Surfman A. Kleeman.....	Parkway.....	Jos. Feinberg
	17. Surfman Geo. Marks.....	Parkway.....	Henry Kosakobaky
	Surfman Geo. Marks.....	Parkway.....	Fred Funk
	Surfman Geo. Marks.....	Parkway.....	Claire Rosenthal
	Surfman Geo. Marks.....	Parkway.....	Charles Berlmer
	Surfman Geo. Marks.....	Parkway.....	Laura Rourke
	Surfman Geo. Marks.....	Parkway.....	Samuel Klaubner
	Surfman Geo. Marks.....	Parkway.....	J. J. Rothman, D.D.S.
	Surfman Louis Borden.....	Parkway.....	Sylvia Linwood
	Surfman Louis Borden.....	Parkway.....	S. Antkies
	18. Jr. Lieut. Irving Suben.....	Parkway.....	L. Kleeman
	Jr. Lieut. Irving Suben.....	Parkway.....	F. Freedman
	Jr. Lieut. Irving Suben.....	Parkway.....	Minnie Rodbard
	Jr. Lieut. Irving Suben.....	Parkway.....	Charles Bachevits
	Surfman Geo. Marks.....	Parkway.....	Evelyn Sukoff
	Surfman S. Kleeman.....	Parkway.....	Anata Tedlan
	19. Boatswain Sig. Bruml.....	Parkway.....	Jeanette Weiss
	Boatswain Sig. Bruml.....	Parkway.....	S. B. Rossen
	Sr. Lieut. John Sherman.....	Parkway.....	Leo Beil
	20. Surfman Louis Borden.....	Parkway.....	A. Savarese
	Surfman Geo. Marks.....	Parkway.....	Bernard Jacobson

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	20. Surfman Geo. Marks.....	Parkway.....	S. Feldman
	Surfman Geo. Marks.....	Parkway.....	Edward Singer
	Surfman Louis Borden.....	Parkway.....	Molly Chipinor
	Surfman Louis Borden.....	Parkway.....	Nellie Griffiths
	Boatwain Sig. Bruml.....	Parkway.....	Meyer Piller
	21. Jr. Lieut. Irving Suben.....	Parkway.....	Philip Birnbaum
	Surg. Mate Jos. Newman.....	Parkway.....	Gerald Schloss
	Surfman Geo. Marks.....	Parkway.....	Minnie Rodbard
	Surfman Geo. Marks.....	Parkway.....	Sam Beristein
	Surfman Geo. Marks.....	Parkway.....	Arthur Olson
	Surfman Geo. Marks.....	Parkway.....	Sidney Bobker
	Surfman Geo. Marks.....	Parkway.....	May Hoffman
	Surfman Krumebrach.....	Parkway.....	Sam Raphael
	22. Surfman A. Kleeman.....	Parkway.....	Mark Ruben
	Surfman Harry Colon.....	Parkway.....	Henry Cohen
	Surfman Harry Colon.....	Parkway.....	Henry Cohen
	Surfman Al Alpern.....	Parkway.....	Nat Heuch
	Surfman Al Alpern.....	Parkway.....	H. Adler
	Surfman J. Gordon.....	Parkway.....	Morris Mishhkoft
	Jr. Lieut. Irving Suben.....	Parkway.....	Hyman Wolfe
	Jr. Lieut. Irving Suben.....	Parkway.....	M. Cohen
	Jr. Lieut. Irving Suben.....	Parkway.....	B. Wiseman
	Jr. Lieut. Irving Suben.....	Parkway.....	Ruth Laudan
	Jr. Lieut. Irving Suben.....	Parkway.....	H. Dickstein
	Jr. Lieut. Irving Suben.....	Parkway.....	Joe Cohen
	Jr. Lieut. Irving Suben.....	Parkway.....	Dave Harris
	Jr. Lieut. Irving Suben.....	Parkway.....	Louis Femman
	Surfman Geo. Marks.....	Parkway.....	Morton Shlosberg
	Surfman Geo. Marks.....	Parkway.....	Harry Levy
	Surfman Geo. Marks.....	Parkway.....	Ben Rosenthal
	Surfman Geo. Marks.....	Parkway.....	S. H. Perrs
	Surfman Geo. Marks.....	Parkway.....	Louis Fenniman
	Surfman Geo. Marks.....	Parkway.....	Dave Harris
	Surfman Geo. Marks.....	Parkway.....	Joe Cohen
	Surfman Geo. Marks.....	Parkway.....	Miss R. Golds
	Surfman Geo. Marks.....	Parkway.....	H. Dickstein
	Surfman Geo. Marks.....	Parkway.....	Jack Bloom
	Surfman Geo. Marks.....	Parkway.....	Isidor Freimen
	Surfman Geo. Marks.....	Parkway.....	L. Snicoff
	Surfman S. Richards.....	Parkway.....	Rose Cohen
	Surgeon's Mate Jos. Newman.....	Parkway.....	Louis Kaur
	Surgeon's Mate Jos. Newman.....	Parkway.....	Ernest Cohen
	Surgeon's Mate Jos. Newman.....	Parkway.....	R. Gold
	23. Surfman Geo. Marks.....	Parkway.....	B. Harney
	Surfman Geo. Marks.....	Parkway.....	L. Libernan
	Surfman Geo. Marks.....	Parkway.....	J. Miller
	Surfman Geo. Marks.....	Parkway.....	S. H. Perry
	Surfman Geo. Marks.....	Parkway.....	L. Snicoff
	Surfman Geo. Marks.....	Parkway.....	Anna Rosenfield
	24. Surfman Geo. Marks.....	Parkway.....	Fred Bates
	25. Surfman Geo. Marks.....	Parkway.....	Harold Robins
	Surfman Geo. Marks.....	Parkway.....	Yetta Charlestein
	Surfman Geo. Marks.....	Parkway.....	Rose Kahn
	Jr. Lieut. Irving Suben.....	Parkway.....	G. Krammer
	26. Surfman Geo. Marks.....	Parkway.....	Sol Furman
	Surfman Geo. Marks.....	Parkway.....	Arthur Olson
	Surfman Geo. Marks.....	Parkway.....	Abe Marowits
	Surfman Geo. Brown.....	Parkway.....	A. Skrilow
	27. Commodore Chas. E. Raynor.....	Parkway.....	Helen Kats
	Jr. Lieut. Irving Suben.....	Parkway.....	D. Levy

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 37

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	28. Surgeon's Mate Jos. Newman.	Parkway	Paul Golden
	Surgeon's Mate Jos. Newman.	Parkway	Julius Levy
	Surgeon's Mate Jos. Newman.	Parkway	Mr. Roden
	Surgeon's Mate Jos. Newman.	Parkway	Sam Turner
	Surfman Joe Nadel.	Parkway	Louis Sperling
	Cozswain H. Nadel.	Parkway	M. Lazarus
	Surfman Geo. Marks.	Parkway	Babe Blooms
	Surfman L. Borden.	Parkway	Anna Lakowits
	Surfman L. Borden.	Parkway	A. Goldenberg
	Surfman L. Borden.	Parkway	Sam Licht
	Surfman L. Levinson.	Parkway	Mrs. Klien
	Surfman A. Kleeman.	Parkway	J. Fanambaum
	Surfman Joe Brown.	Parkway	Jacob Gaus
	Boatswain Sigmund Bruml.	Parkway	Al Cohen
	Boatswain Sigmund Bruml.	Parkway	B. Gushman
	29. Jr. Lieut. Irving Suben.	Parkway	Mack Kallis
	Jr. Lieut. Irving Suben.	Parkway	Jack Feldman
	Jr. Lieut. Irving Suben.	Parkway	Lazarus Karp
	Jr. Lieut. Irving Suben.	Parkway	S. Ross
	Jr. Lieut. Irving Suben.	Parkway	Helen Berger
	Jr. Lieut. Irving Suben.	Parkway	P. Birnbaum
	Surfman Jos. Nadel.	Parkway	S. Livine
	Surfman Jos. Nadel.	Parkway	Mrs. Stern
	Surfman Jos. Nadel.	Parkway	Abraham Lasky
	Surfman Jos. Nadel.	Parkway	Bill Bergin
	Surfman Jos. Nadel.	Parkway	B. Pommerans
	Robert D. Blogg.	Parkway	Al G. Schoenseit
	Robert D. Blogg.	Parkway	Paul Goldments
	Robert D. Blogg.	Parkway	S. Miller
	Surfman Geo. Marks.	Parkway	Joe Williams
	Capt. Wittenberg.	Parkway	Nathan Wittkord
	Boatswain Sigmund Bruml.	Parkway	Louis Sperling
	Boatswain Sigmund Bruml.	Parkway	Alex Braum
July	29. Surfman Louis Bordin.	Parkway	Mr. Schartof
	30. Surfman Geo. Marks.	Parkway	Dorothy Rosen
	Surfman Geo. Marks.	Parkway	S. Schaefer
	Surfman Geo. Marks.	Parkway	Sophie Roseman
	Surfman Geo. Marks.	Parkway	Isidor Mendosa
	Surfman Geo. Marks.	Parkway	Harold Goodman
	Surfman Geo. Marks.	Parkway	Peter Feldman
	Surfman Geo. Marks.	Parkway	Harry Pinins
	Surfman Geo. Marks.	Parkway	David Kalker
	Surfman Geo. Marks.	Parkway	A. Steger
	Surfman Geo. Marks.	Parkway	Max Gittelman
	Surfman Geo. Marks.	Parkway	C. E. Durger
	Surfman L. Levinson.	Parkway	A. Leibowitibch
	Surfman L. Levinson.	Parkway	B. Cohen
	Surfman L. Levinson.	Parkway	J. House
	Surgeon's Mate Jos. Newman.	Parkway	Ruth Moore
	Surgeon's Mate Jos. Newman.	Parkway	Ben Gorman
	Surgeon's Mate Jos. Newman.	Parkway	Alex Robins
	Surfman H. Thomasheft.	Parkway	D. Maglish
	Surfman H. Thomasheft.	Parkway	Samuel Simber
	Surfman Jos. Brown.	Parkway	W. B. Spiler
	Surfman W. Edeleon.	Parkway	Michael Pappas
	Surfman Louis Borden.	Parkway	Anna Tubridy
	Surfman S. Richard.	Parkway	Dr. Roden
	Jr. Lieut. Irving Suben.	Parkway	Hyman Edelman
	Surfman A. Kleeman.	Parkway	Alex Elfin
	Surfman Louis Borden.	Parkway	Rea Goldatein

Date 1917	Members rendering " first aid "	Place where	Persons assisted
July	30. Surfman Van Dusen.....	Parkway.....	Yolk Hansen
	Sr. Lieut. John Sherman.....	Parkway.....	Irving Becker
	31. Sr. Lieut. John Sherman.....	Parkway.....	N. Weinstein
	Sr. Lieut. John Sherman.....	Parkway.....	Fd. Javis
	Sr. Lieut. John Sherman.....	Parkway.....	Fred Martin
	Sr. Lieut. John Sherman.....	Parkway.....	Hilder Gordon
	Sr. Lieut. John Sherman.....	Parkway.....	D. Shulman
	Surfman Geo. Marks.....	Parkway.....	Tillie Grise
	Surfman Geo. Marks.....	Parkway.....	Harry Fine
	Surfman Geo. Marks.....	Parkway.....	J. Woolwick
	Surfman Geo. Marks.....	Parkway.....	John Dufesix
	Jr. Lieut. Irving Suben.....	Parkway.....	Sylvia Tint
	Jr. Lieut. Irving Suben.....	Parkway.....	E. Cohen
	Jr. Lieut. Irving Suben.....	Parkway.....	Wm. Sanford
	Surfman Joe Nadel.....	Parkway.....	A. Hoffman
	Surfman Joe Nadel.....	Parkway.....	Elen Greenwald
	Capt. O. L. Maritho.....	Parkway.....	Ike Abram
	Surfman H. Sabine.....	Parkway.....	Sam Abrams
	Surfman H. Sabine.....	Parkway.....	Wm. Siberman
	Surfman H. Sabine.....	Parkway.....	Abner Rosenthal
	Capt. Maritho.....	}	
	Capt. H. Wittenberg.....		
	Surfman Al Alpern.....	Parkway.....	Mrs. I. Staret
	Surfman H. Thomasheft.....	Parkway.....	Arthur Greenbay
	Surfman Joe Brown.....	Parkway.....	Paul Krimkle
	Surfman Joe Brown.....	Parkway.....	Harry Blume
	Surgeon's Mate Joe Newman.....	Parkway.....	Joe Gordon
	Surfman L. Levinson.....	Parkway.....	M. Cucher
	Surfman Joe Borden.....	Parkway.....	Davis Artenberg
Aug.	1. Coxswain H. T. Model.....	Parkway.....	Felice Lubovitti
	Coxswain H. T. Model.....	Parkway.....	Gertrude Bookman
	Coxswain H. T. Model.....	Parkway.....	Lester Sudsin
	Surfman I. Martin.....	Parkway.....	N. Lachoff
	Surfman Geo. Marks.....	Parkway.....	Freda Cohen
	Surfman Geo. Marks.....	Parkway.....	Mollie Simon
	Surfman Geo. Marks.....	Parkway.....	Miss Robins
	Surfman Geo. Marks.....	Parkway.....	Yetta Gorman
	Surfman Geo. Marks.....	Parkway.....	Hannah Sukoff
	Surfman Geo. Marks.....	Parkway.....	A. M. Seibert
	Surfman Geo. Marks.....	Parkway.....	Sam Hanner
	Surfman Geo. Marks.....	Parkway.....	C. M. Tipograff
	Surfman L. Levinson.....	Parkway.....	I. Robinswitch
	Surfman L. Levinson.....	Parkway.....	G. Appellero
	Surfman L. Levinson.....	Parkway.....	J. Mackowits
	Surfman L. Levinson.....	Parkway.....	S. Falits
	Surfman L. Levinson.....	Parkway.....	H. Kellman
	Surgeon's Mate Joe Newman.....	Parkway.....	Sylvia Luvenberg
	Surgeon's Mate Joe Newman.....	Parkway.....	Murray Romer
	Jr. Lieut. Irving Suben.....	Parkway.....	Rose Skynase
	Jr. Lieut. Irving Suben.....	Parkway.....	E. Petrelly
	Sr. Lieut. John Sherman.....	Parkway.....	Joe Weisselberg
	Surfman W. Edelson.....	Parkway.....	Irving Beck
	Surfman Joe Nadel.....	Parkway.....	H. Rhneinstein
	Surfman Joe Brown.....	Parkway.....	Jack Scheeketa
	2. Surfman L. Levinson.....	Parkway.....	L. Gintel
	Surfman L. Levinson.....	Parkway.....	H. Kaplan
	Surfman L. Levinson.....	Parkway.....	C. Barnard
	Surfman L. Levinson.....	Parkway.....	M. Rubin
	Surfman L. Levinson.....	Parkway.....	I. Bloom
	Surfman L. Levinson.....	Parkway.....	J. Petrolio
	Surfman L. Levinson.....	Parkway.....	S. Glasair

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	2. Surfman L. Levinson	Parkway	H. Gameon
	Surfman L. Levinson	Parkway	J. Roach
	Surfman L. Levinson	Parkway	J. Sherman
	Surfman L. Levinson	Parkway	A. Newmark
	Surfman L. Levinson	Parkway	B. Stinberg
	Surfman L. Levinson	Parkway	L. Heuttel
	Jr. Lieut. Irving Suben	Parkway	Sonny Silver
	Jr. Lieut. Irving Suben	Parkway	Dora Silver
	Coxswain Harry Model	Parkway	Ray Rubenstein
	Coxswain Harry Model	Parkway	Bella Grossman
	Coxswain Harry Model	Parkway	Jennie Rosen
	Coxswain Harry Model	Parkway	Mrs. Hubbs
	Sr. Lieut. John Sherman	Parkway	Wm. Young
	Sr. Lieut. John Sherman	Parkway	N. Isoldi
	Surfman Joe Brown	Parkway	Geo. Nigive
	Surfman Joe Brown	Parkway	Sam Cohen
	Surfman Joe Brown	Parkway	Sam Antkies
	Surfman Joe Brown	Parkway	A. Warmser
	Surgeon's Mate Joe Newman	Parkway	A. Reback
	Surgeon's Mate Joe Newman	Parkway	Irving Guber
	Surfman Geo. Marks	Parkway	Lillian Schwartz
	3. Surfman L. Levinson	Parkway	Sarg. W. Hattadter
	Surfman L. Levinson	Parkway	M. Berger
	Surfman L. Levinson	Parkway	M. Mardin
	Surfman L. Levinson	Parkway	B. Russell
	Jr. Lieut. Irving Suben	Parkway	J. Cleeman
	Surfman John Coville	Parkway	Louis Scouplos
	Jr. Lieut. Irving Suben	Parkway	Percy Fox
	4. Surfman L. Levinson	Parkway	E. Fox
	Surfman L. Levinson	Parkway	B. Hauts
	Surfman L. Levinson	Parkway	G. Vingint
	Surfman L. Levinson	Parkway	H. Bernstein
	Surfman L. Levinson	Parkway	L. Frankel
	Surfman L. Levinson	Parkway	L. Ceader
	Surfman L. Levinson	Parkway	T. Cola
	Capt. H. Wittenberg	Parkway	Benj. Irving
	Capt. H. Wittenberg	Parkway	Daniel Gelber
	Capt. H. Wittenberg	Parkway	Louraine Meisel
	Jr. Lieut. Irving Suben	Parkway	Monica Schloesser
	Surfman Jos. Brown	Parkway	Harman Bockman
	Sr. Lieut. John Sherman	Parkway	Alfred Fingerrut
	5. D. D. Howard	Parkway	T. Rosen
	D. D. Howard	Parkway	R. Tepper
	D. D. Howard	Parkway	Lewis Fairman
	D. D. Howard	Parkway	Miss Freed
	D. D. Howard	Parkway	Miss Frankel
	D. D. Howard	Parkway	Rollo Vassalotti
	D. D. Howard	Parkway	Miss Myers
	D. D. Howard	Parkway	N. Solomon
	D. D. Howard	Parkway	S. J. Kranger
	D. D. Howard	Parkway	Mrs. Gottfried
	D. D. Howard	Parkway	S. Y. Gitlin
	D. D. Howard	Parkway	Bella Weiner
	Harry Sabine		
	D. D. Howard	Parkway	J. Stiner
	D. D. Howard	Parkway	Nathan Roblstein
	D. D. Howard	Parkway	I. Newman
	D. D. Howard	Parkway	Anna Kass
	D. D. Howard	Parkway	I. Yelonits
	D. D. Howard	Parkway	Albert Solvay

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. D. D. Howard.....	Parkway.....	B. Center
	D. D. Howard.....	Parkway.....	Stephen Messini
	D. D. Howard.....	Parkway.....	Ida Itzkowitz
	D. D. Howard.....	Parkway.....	Freida Aufitg
	D. D. Howard.....	Parkway.....	J. Mofenson
	D. D. Howard.....	Parkway.....	H. Levy
	D. D. Howard.....	Parkway.....	D. L. Schaefer
	D. D. Howard.....	Parkway.....	W. Rothman
	Sigmund Bruml.....	Parkway.....	Lillian Nord
	Sigmund Bruml.....	Parkway.....	P. Goldsmith
	Sig. Bruml.....	Parkway.....	Ether Cohen
	Sig. Bruml.....	Parkway.....	Frances Ehrlich
	Irving Suben.....	Parkway.....	B. Lenter
	Irving Suben.....	Parkway.....	W. Samuels
	Irving Suben.....	Parkway.....	B. Rosenthal
	Joe Brown.....	Parkway.....	H. Livingston
	Joe Brown.....	Parkway.....	Dora Heoflich
	Joe Brown.....	Parkway.....	H. Neger
	Joe Brown.....	Parkway.....	Dotty Gerla
	Joe Sherman.....	Parkway.....	Van Houghton
	Joe Sherman.....	Parkway.....	Wm. Naville
	Capt. H. Wittenberg.....	Parkway.....	Jacob Seligson
	Capt. H. Wittenberg.....	Parkway.....	Lillie Leveton
	Capt. H. Wittenberg.....	Parkway.....	Clara Kirschmer
	B. T. Blogg.....	Parkway.....	M. Cohen
	B. T. Blogg.....	Parkway.....	David Yacht
	S. Richards.....	Parkway.....	S. Hausman
	L. Levinson.....	Parkway.....	J. Green
	Geo. Marks.....	Parkway.....	Joe. Gross
	Joe Newman.....	Parkway.....	M. Ossakow
	6. Hugo Wittenberg.....	Parkway.....	Adolph Marden
	Hugo Wittenberg.....	Parkway.....	Edw. Schaner
	Hugo Wittenberg.....	Parkway.....	John Welsh
	Joe Brown.....	Parkway.....	Frances Luberman
	Joe Brown.....	Parkway.....	Jack Goldberg
	Sig. Bruml.....	Parkway.....	Martin Ehrenbrans
	Irving Suben.....	Parkway.....	Sid Litoff
	7. L. Levinson.....	Parkway.....	Charles Klein
	L. Levinson.....	Parkway.....	A. Beriser
	J. Sherman.....	Parkway.....	S. Marx
	J. Sherman.....	Parkway.....	Anna Klein
	S. Richard.....	Parkway.....	S. Nunts
	Irving Suben.....	Parkway.....	Nathan Bloom
	Geo. Marks.....	Parkway.....	Harry Greenberg
	Louis Borden.....	Parkway.....	Mrs. Lauder
	8. Geo. Marks.....	Parkway.....	Geno Nodine
	Geo. Marks.....	Parkway.....	Pauline Ruben
	Geo. Marks.....	Parkway.....	Sol Neivest
	Geo. Marks.....	Parkway.....	Julius Reinfeld
	Geo. Marks.....	Parkway.....	P. Goldsmith
	L. Levinson.....	Parkway.....	S. Reuskratu
	L. Levinson.....	Parkway.....	D. Jacobs
	John Sherman.....	Parkway.....	Sid Hor
	Joe Brown.....	Parkway.....	Arthur Alefeld
	S. Richards.....	Parkway.....	Mr. Hubbs
	Capt. H. Wittenberg.....	Parkway.....	Andrew Florolos
	9. Geo. Marks.....	Parkway.....	Eather Seiser
	Geo. Marks.....	Parkway.....	Tom Lang
	Geo. Marks.....	Parkway.....	Eva Worobrow
	Geo. Marks.....	Parkway.....	Joe Klein

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	9. Capt. H. Wittenberg.....	Parkway.....	David Weiss
	Capt. H. Wittenberg.....	Parkway.....	Louis Scouphoes
11.	H. Sabine.....	Parkway.....	Mr. Wolf
	Al Alpern.....	Parkway.....	Mr. Godman
	Al Alpern.....	Parkway.....	Mr. Miller
	Harry Cohen.....	Parkway.....	Yetta Shaffer
12.	D. D. Howard.....	Parkway.....	S. Greenberg
	D. D. Howard.....	Parkway.....	B. Ginsberg
	D. D. Howard.....	Parkway.....	Edwin Edwardson
	D. D. Howard.....	Parkway.....	Jos. Zucker
	D. D. Howard.....	Parkway.....	H. Kessler
	D. D. Howard.....	Parkway.....	H. Grossman
	D. D. Howard.....	Parkway.....	Milton Henry
	D. D. Howard.....	Parkway.....	Harry Greaves
	D. D. Howard.....	Parkway.....	Louis Oguol
	D. D. Howard.....	Parkway.....	M. Melico
	D. D. Howard.....	Parkway.....	A. Lasker
	D. D. Howard.....	Parkway.....	S. Speiers
	Irving Suben.....	Parkway.....	J. Goldberg
	Irving Suben.....	Parkway.....	Ester Cohen
	Irving Suben.....	Parkway.....	Miss Frank
	D. D. Howard.....	Parkway.....	Fred Martin
	D. D. Howard.....	Parkway.....	L. Whitehorn
	D. D. Howard.....	Parkway.....	Nathan Cohen
	Irving Suben.....	Parkway.....	W. Adronson
	Irving Suben.....	Parkway.....	E. Bernstein
	Irving Suben.....	Parkway.....	Harry Arkin
	Irving Suben.....	Parkway.....	H. Arnold
	Irving Suben.....	Parkway.....	Sadie Machineky
	Irving Suben.....	Parkway.....	H. Oppor
	Geo. Marks.....	Parkway.....	Andres Kute
	D. D. Howard.....	Parkway.....	Jack Welsh
	Geo. Marks.....	Parkway.....	Mr. Wasserman
	Geo. Marks.....	Parkway.....	L. Ellenstuch
	Geo. Marks.....	Parkway.....	Eddie Defrai
	Geo. Marks.....	Parkway.....	A. Lasky
	Geo. Marks.....	Parkway.....	E. Gordan
	Geo. Marks.....	Parkway.....	I. Singer
	Geo. Marks.....	Parkway.....	Hilda Handler
	Al Alpern.....	Parkway.....	A. Goldberg
	Al Alpern.....	Parkway.....	I. Mints
	Al Alpern.....	Parkway.....	Harry Pariser
	B. T. Blogg.....	Parkway.....	Jack Endelson
	B. T. Blogg.....	Parkway.....	Ann Ashkenas
	B. T. Blogg.....	Parkway.....	Samuel Biener
	B. T. Blogg.....	Parkway.....	B. Richter
	John Sherman.....	Parkway.....	H. Joadsur
	John Sherman.....	Parkway.....	N. Herberg
	John Sherman.....	Parkway.....	C. Aronowits
	Joe Newman.....	Parkway.....	Louis Ogush
	Joe Newman.....	Parkway.....	Alex Flushman
	H. Colon.....	Parkway.....	Jacob Epstein
	H. Colon.....	Parkway.....	Sam Podolsky
	H. Colon.....	Parkway.....	A. Bloom
	H. Colon.....	Parkway.....	Mrs. F. Shubert
	H. Sabine.....	Parkway.....	Wm. Pearlstein
	H. Sabine.....	Parkway.....	Bertha Halen
	H. Sabine.....	Parkway.....	Ida Donsin
	H. Sabine.....	Parkway.....	J. Wold
	Hugo Wittenberg.....	Parkway.....	L. Ram

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 12.	Hugo Wittenberg.....	Parkway.....	Matilda Kirschman
	Jerry Borden.....	Parkway.....	Morris Becker
	Jerry Borden.....	Parkway.....	Jack Siegelman
	Joe Brown.....	Parkway.....	Sarah Sobol
13.	L. Levinson.....	Parkway.....	J. Winkoff
	L. Levinson.....	Parkway.....	J. Fine
	J. Levinson.....	Parkway.....	Adolf Ehrenpreis
	Geo. Marks.....	Parkway.....	Elsie Friedman
	Geo. Marks.....	Parkway.....	Malcolm Stark
	Geo. Marks.....	Parkway.....	Rene Gold
	Joe Newman.....	Parkway.....	Ben Lichter
	Joe Nagel.....	Parkway.....	Nichol Stember
	B. T. Blogg.....	Parkway.....	Minnie Moses
14.	B. T. Blogg.....	Parkway.....	Evelyn Levittson
	B. T. Blogg.....	Parkway.....	Will Cohen
	B. T. Blogg.....	Parkway.....	Mrs. Bernhard
	B. T. Blogg.....	Parkway.....	Sam Spiegel
	Surfman Meisel.....	Parkway.....	E. Lemanowaky
	Surfman Meisel.....	Parkway.....	R. Ostrow
	Surfman Meisel.....	Parkway.....	Herum Scixtar
	Surfman Kleeman.....	Parkway.....	I. Wrel
	H. Model.....	Parkway.....	Harry Finkelstein
16.	Geo. Marks.....	Parkway.....	Aaron Stein
	Geo. Marks.....	Parkway.....	Mr. Fransky
	Geo. Marks.....	Parkway.....	Walter Kempner
	L. Levinson.....	Parkway.....	J. Cohen
17.	L. Levinson.....	Parkway.....	Ronold Tenner
	B. T. Blogg.....	Parkway.....	Anna Ruosen
	B. T. Blogg.....	Parkway.....	Helen Paizer
	B. T. Blogg.....	Parkway.....	Edward Baleiwetus
18.	B. T. Blogg.....	Parkway.....	Elsie Fridman
	B. T. Blogg.....	Parkway.....	Harry Elois
	D. D. Howard.....	Parkway.....	Wm Aronson
	D. D. Howard.....	Parkway.....	H. Failes
	L. Levinson.....	Parkway.....	Dr. Chodos
	L. Levinson.....	Parkway.....	S. Salvatore
	L. Levinson.....	Parkway.....	Mr. Baum
	L. Levinson.....	Parkway.....	Harry Menker
	L. Levinson.....	Parkway.....	W. Fink
	L. Levinson.....	Parkway.....	J. Henderson
	B. T. Blogg.....	Parkway.....	Willie Orner
	B. T. Blogg.....	Parkway.....	Arthur Bawry
	Geo. Marks.....	Parkway.....	Oscar Finkelstein
	Geo. Marks.....	Parkway.....	Sylvia Peck
	L. Levison.....	Parkway.....	Dip Jacksoob
19.	D. D. Howard.....	Parkway.....	M. Pines
	D. D. Howard.....	Parkway.....	Alfred Snieder
	D. D. Howard.....	Parkway.....	Miss Spats
	D. D. Howard.....	Parkway.....	Mrs. Stueor
	D. D. Howard.....	Parkway.....	Harry Arkin
	D. D. Howard.....	Parkway.....	J. Cain
	D. D. Howard.....	Parkway.....	Oscar Segalowitz
	D. D. Howard.....	Parkway.....	Oscar Segalowitz
	D. D. Howard.....	Parkway.....	B. Shapin
	D. D. Howard.....	Parkway.....	Jack Liswood
	D. D. Howard.....	Parkway.....	Paul Coomiss
	D. D. Howard.....	Parkway.....	Harry Weinstein
	D. D. Howard.....	Parkway.....	Sylvia Zelenetaky
	D. D. Howard.....	Parkway.....	Sam Elfin
	D. D. Howard.....	Parkway.....	A. Fineman

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
Aug. 19.	D. D. Howard	Parkway	S. Frankel
	D. D. Howard	Parkway	I. Abrahams
	D. D. Howard	Parkway	Abraham Hase
	D. D. Howard	Parkway	Philip Fallik
	D. D. Howard	Parkway	Mrs. I. Diamond
	D. D. Howard	Parkway	Bessie Akerkalt
	D. D. Howard	Parkway	Sylvia Zell
	D. D. Howard	Parkway	J. Cohen
	B. T. Blogg	Parkway	Harry Hein
	B. T. Blogg	Parkway	Murray Bloom
	B. T. Blogg	Parkway	Joseph Hath
	B. T. Blogg	Parkway	I. Sahareck
	Geo. Marks	Parkway	Rudie Rosengarten
	Geo. Marks	Parkway	Charles Haines
	Irving Suben	Parkway	H. Bloomstein
	Irving Suben	Parkway	Benj. Rosenberg
	Irving Suben	Parkway	H. Levy
	L. Levinson	Parkway	J. Albergs
	L. Levinson	Parkway	J. Gloss
	H. B. Colon	Parkway	Benj. Stein
	H. B. Colon	Parkway	H. Drucker
	Joe Nagel	Parkway	Estelle Goldman
20.	Irving Suben	Parkway	Salvadore Graviano
	Irving Suben	Parkway	Mrs. Hackhouse
	Irving Suben	Parkway	A. Squall
	H. B. Colon	Parkway	Mr. Puer
	H. B. Colon	Parkway	Eva Goldsmith
	Louis Borden	Parkway	Edward Steinberger
	Louis Borden	Parkway	W. Watson
	H. Model	Parkway	Sam Addel
	H. Model	Parkway	Wm. H. Seaman
21.	J. Sherman	Parkway	Leon Herman
	J. Sherman	Parkway	Max Berler
	J. Sherman	Parkway	Manton Goldberg
	J. Sherman	Parkway	Edith Fidler
	H. Colon	Parkway	Millie Levinson
	Irving Suben	Parkway	Joe Wright
22.	S. Richard	Parkway	Sam Rothener
	H. Model	Parkway	Louis Levy
	J. Sherman	Parkway	Helen Hurley
23.	J. Sherman	Parkway	A. Stamuler
24.	H. Thomashfeld	Parkway	J. Tannenbaub
	H. Thomashfeld	Parkway	S. Jenkins
	H. Thomashfeld	Parkway	Max Levine
	H. Thomashfeld	Parkway	Joe Sedell
	Louis Borden	Parkway	Norman Simon
	Louis Borden	Parkway	Miriam Weiss
	Louis Borden	Parkway	Mr. Rinel
	Louis Borden	Parkway	Louis Hoffman
	John Sherman	Parkway	Miss M. Buckley
	John Sherman	Parkway	M. Pelkaub
	John Sherman	Parkway	Sadie Roenbaum
25.	Louis Borden	Parkway	Sydney Haber
	Louis Borden	Parkway	N. Goldberg
	Louis Borden	Parkway	Ruth Wiener
	Louis Borden	Parkway	Louis Hafter
	Louis Borden	Parkway	Mat Hirstch
	Irving Suben	Parkway	R. Donlon
	Irving Suben	Parkway	Joseph Ryewlaski
	Irving Suben	Parkway	M. Hawtloff

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	25. Irving Suben.....	Parkway.....	Nathan Goldman
	Irving Suben.....	Parkway.....	G. Miller
	Irving Suben.....	Parkway.....	Joe Stein
	Irving Suben.....	Parkway.....	Blanch Cullen
	L. Levinson.....	Parkway.....	J. Bloom
	L. Levinson.....	Parkway.....	A. Baum
	L. Levinson.....	Parkway.....	F. Rusgo
	L. Levinson.....	Parkway.....	A. Rovies
	L. Levinson.....	Parkway.....	I. Meddow
	L. Levinson.....	Parkway.....	M. Weisman
	Joe Nadel.....	Parkway.....	Mr. Toshin
	Joe Nadel.....	Parkway.....	S. Segal
	S. Kleeman.....	Parkway.....	Harry Pancer
	S. Kleeman.....	Parkway.....	Nellie Herman
	B. T. Blogg.....	Parkway.....	J. Schneider
	26. D. D. Howard.....	Parkway.....	L. Ostrover
	D. D. Howard.....	Parkway.....	C. Baum
	D. D. Howard.....	Parkway.....	S. Lewis
	D. D. Howard.....	Parkway.....	C. H. Devan
	D. D. Howard.....	Parkway.....	J. Kuizer
	D. D. Howard.....	Parkway.....	M. Constantine
	D. D. Howard.....	Parkway.....	Ella Klein
	D. D. Howard.....	Parkway.....	Nowman Barnett
	L. Levinson.....	Parkway.....	M. Sadoff
	L. Levinson.....	Parkway.....	B. Friedland
	L. Levinson.....	Parkway.....	M. J. Karstin
	J. Borden.....	Parkway.....	H. Grossberg
	J. Borden.....	Parkway.....	Sydney Alexander
	B. T. Blogg.....	Parkway.....	Morris Harris
	B. T. Blogg.....	Parkway.....	David Eldridge
	B. T. Blogg.....	Parkway.....	Jack Friedman
	H. Thomasheld.....	Parkway.....	Teddy Thomas
	G. Marks.....	Parkway.....	Hirschman
	Irving Suben.....	Parkway.....	S. Swertser
	Hugo Wittenberg.....	Parkway.....	V. Murphy
	Irving Suben.....	Parkway.....	Philip Follars
	Al Alpern.....	Parkway.....	Sam Lipschuts
June	3. Surg. Mate Gilchrist.....	Dreamland.....	Antinotte Amuellutti
	5. Coxswain H. Murray.....	Dreamland.....	W. Weiner
	10. Surg. Mate F. Gilchrist.....	Dreamland.....	Louis Selcher
	Assoc. Surg. Mate Hageman.....	Dreamland.....	Jineio Broughton
	Assoc. Surg. Mate Hageman.....	Dreamland.....	H. N. Moeller
	Surfman E. A. Straaburg.....	Dreamland.....	L. Fogt
	23. Surg. Mate F. Gilchrist.....	Dreamland.....	Harry Freed
	Surfman O. Miles.....	Dreamland.....	Louis Kahn
	Surg. Mate Gilchrist.....	Dreamland.....	John Sudero
	Assoc. H. Hageman.....	Dreamland.....	Joe Higgins
	Coxswain W. Hotte.....	Dreamland.....	M. Rothenberg
	24. Surg. Mate Gilchrist.....	Dreamland.....	Sophie Kaufman
	Assist. Mate Hageman.....	Dreamland.....	A. Greenberg
	Assist. Mate Hageman.....	Dreamland.....	Wm. Bushus
	Assist. Mate Hageman.....	Dreamland.....	K. Rosenman
	Assist. Mate Hageman.....	Dreamland.....	Jack Rosen
	Surfman Wm. Clarkson.....	Dreamland.....	Abe Beck
	Surg. Mate Gilchrist.....	Dreamland.....	Pasquale Carrano
	Assist. Mate H. Hageman.....	Dreamland.....	Eugene Staubsberg
	Assist. Mate H. Hageman.....	Dreamland.....	Sam A. Leich
	Assist. Mate H. Hageman.....	Dreamland.....	Dave Schwartz
	Surg. Mate F. Gilchrist.....	Dreamland.....	K. Hunter
	Surg. Mate F. Gilchrist.....	Dreamland.....	Max Phillips

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
June	24. Surg. Mate F. Gilchrist.....	Dreamland.....	Abe Harowitz
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sam Thaw
	Surg. Mate F. Gilchrist.....	Dreamland.....	Charles Papper
	Surg. Mate F. Gilchrist.....	Dreamland.....	Benj. Weiss
	26. Surfman Clarkson.....	Dreamland.....	B. Williams
	Surfman W. Clarkson.....	Dreamland.....	George Kraus
	27. Surfman W. Clarkson.....	Dreamland.....	Harry Droslik
	30. Surfman W. Clarkson.....	Dreamland.....	Geo. Abel
	Assist. H. Hageman.....	Dreamland.....	M. V. Work
	Surg. Mate F. Gilchrist.....	Dreamland.....	Lillian Hanraham
July	1. Surg. Mate F. Gilchrist.....	Dreamland.....	M. Balgay
	Surg. Mate F. Gilchrist.....	Dreamland.....	J. Lichenfeld
	Surg. Mate F. Gilchrist.....	Dreamland.....	T. Digiovna
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Schreiber
	Surg. Mate F. Gilchrist.....	Dreamland.....	A. Levine
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Rosanky
	Surg. Mate F. Gilchrist.....	Dreamland.....	E. Goldberg
	Surg. Mate F. Gilchrist.....	Dreamland.....	M. Davis
	Jr. Lieut. J. Hageman.....	Dreamland.....	P. Brauwer
	Jr. Lieut. J. Hageman.....	Dreamland.....	M. Falsen
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	S. Berkowitz
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Bathing attendant
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Bathing attendant
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Irving Arosen
	Acting Capt. H. Moeller, Jr....	Dreamland.....	Henry Turkenkoff
	Acting Capt. H. Moeller, Jr....	Dreamland.....	Anna Stone
	Acting Capt. H. Moeller, Jr....	Dreamland.....	Alice Green
	Surfman Strasburg.....	Dreamland.....	F. Marmalatern
	Surfman Strasburg.....	Dreamland.....	S. Tannenbaum
	Surfman Strasburg.....	Dreamland.....	Jacob Guber
	Surfman Strasburg.....	Dreamland.....	B. Silber
	Surfman Wm. Clarkson.....	Dreamland.....	Samuel Goldberg
	Surfman O. Miles.....	Dreamland.....	Sadie Cooper
	4. Assist. Surg. Mate H. Hageman.....	Dreamland.....	Alex Kopel
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Wm. Morris
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	David Ehrman
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Louis Fass
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Unknown sailor
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	M. Ennis
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Sol. Rogal
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Kitty Lenardi
	Acting Jr. Lieut. Wm. Clarkson.....	Dreamland.....	David Goldman
	Acting Jr. Lieut. Wm. Clarkson.....	Dreamland.....	H. Leopold
	Coxswain W. Hotte.....	Dreamland.....	Fol Riech
	5. Surfman O. Miles.....	Dreamland.....	R. Vix
	7. Surg. Mate Gilchrist.....	Dreamland.....	Max Wole
	Surfman O. Miles.....	Dreamland.....	Ben Bucken
	Surg. Mate F. Gilchrist.....	Dreamland.....	Edna Koop
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sam Migden
	Surg. Mate F. Gilchrist.....	Dreamland.....	Meyer Rosen
	Surg. Mate F. Gilchrist.....	Dreamland.....	Rosie Shevach
	Surfman G. Bernhardt.....	Dreamland.....	M. Weintraub
	8. Surg. Mate F. Gilchrist.....	Dreamland.....	S. Okun
	Surg. Mate F. Gilchrist.....	Dreamland.....	B. Welin
	Surg. Mate F. Gilchrist.....	Dreamland.....	Chas. Schweid
	Surg. Mate F. Gilchrist.....	Dreamland.....	Bernard Matuseoff
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Jack Harkway
	H. H. Hageman.....	Dreamland.....	Jack Harkway
	H. H. Hageman.....	Dreamland.....	Gustave Kehn
	H. H. Hageman.....	Dreamland.....	B. Goldberg

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	8. George Bernhard.....	Dreamland.....	George Silberstein
	George Bernhard.....	Dreamland.....	Joe Silverhauf
	O. Miles.....	Dreamland.....	Josey Murphy
	H. Moeler.....	Dreamland.....	R. Rheinhardt
	13. H. H. Hageman.....	Dreamland.....	Max Stelzer
	14. W. J. Hotte.....	Dreamland.....	S. Kovosak
	W. J. Hotte.....	Dreamland.....	Hyman Dilo
	W. J. Hotte.....	Dreamland.....	E. Cantor
	W. J. Hotte.....	Dreamland.....	I. Levine
	W. J. Hotte.....	Dreamland.....	Sol Godman
	W. J. Hotte.....	Dreamland.....	Hyman Solomon
	O. Miles.....	Dreamland.....	G. Rosen
	O. Miles.....	Dreamland.....	Mayer Miller
	O. Miles.....	Dreamland.....	J. Harrison
	Boatswain Harrison.....	Dreamland.....	Sol Feldman
	Boatswain Harrison.....	Dreamland.....	Herman Ehrans
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Lissie Menkel
	Junior Lieut. W. Clarkson.....	Dreamland.....	F. Jones
	Surfman E. Straesburg.....	Dreamland.....	A. Lowhal
	Capt. Schilling.....	Dreamland.....	L. Stelom
	Surfman Farrell.....	Dreamland.....	Nathan Reichel
	Boatswain J. Harrison.....	Dreamland.....	Isidor Bellbroff
	15. Surfman W. J. Hotte.....	Dreamland.....	G. A. Saluoci
	Cozwain W. J. Hotte.....	Dreamland.....	H. Brandon
	Cozwain W. J. Hotte.....	Dreamland.....	P. Hecker
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	M. Fridberg
	16. Surfman O. Miles.....	Dreamland.....	Isidore Mister
	Surfman O. Miles.....	Dreamland.....	H. Kats
	Surfman O. Miles.....	Dreamland.....	Miss Trifant
	Surfman O. Miles.....	Dreamland.....	George Schorp
	Surfman O. Miles.....	Dreamland.....	Jacob Hick
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	David Steinbigle
	18. Surfman O. Miles.....	Dreamland.....	O. Altahul
	Surfman O. Miles.....	Dreamland.....	Sam Halowitz
	Surfman O. Miles.....	Dreamland.....	Earnest Grauman
	Surfman O. Miles.....	Dreamland.....	Dave Conrad
	Surfman O. Miles.....	Dreamland.....	Elsie Finkelstein
	Surfman O. Miles.....	Dreamland.....	Abe Munack
	Surfman O. Miles.....	Dreamland.....	Harry Sultan
	Surfman O. Miles.....	Dreamland.....	Ruth Harrison
	Surfman O. Miles.....	Dreamland.....	Simon Silver
	Surfman O. Miles.....	Dreamland.....	Robert Greenberg
	Surfman O. Miles.....	Dreamland.....	Alex Kasuyn
	Surfman O. Miles.....	Dreamland.....	Pancus Krin
	Surfman O. Miles.....	Dreamland.....	Jacob Warshawsky
	Surfman O. Miles.....	Dreamland.....	Joe Golub
	Surfman O. Miles.....	Dreamland.....	Nora Bradley
	Surfman O. Miles.....	Dreamland.....	M. Sapertone
	Surfman O. Miles.....	Dreamland.....	George Dunn
	Surfman O. Miles.....	Dreamland.....	Mrs. Blumenthal
	Surfman O. Miles.....	Dreamland.....	Emma Schichter
	Surfman O. Miles.....	Dreamland.....	Louis Schneider
	Surfman O. Miles.....	Dreamland.....	Rose Kaut
	Assist. Sutg. Mate H. Hageman.....	Dreamland.....	S. Rosner
	Jr. Lieut. Clarkson.....	Dreamland.....	Mrs. Hiastein
	O. Miles.....	Dreamland.....	Sylvia Genesberg
	20. Surfman O. Miles.....	Dreamland.....	Albert Field
	Surfman O. Miles.....	Dreamland.....	Arron Haber
	Surfman O. Miles.....	Dreamland.....	Peter McNamara
	21. Jr. Lieut. Clarkson.....	Dreamland.....	Joe Mines

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	21. Jr. Lieut. Clarkson	Dreamland	Mr. Schans
	Jr. Lieut. Clarkson	Dreamland	Isaac Fishbach
	Jr. Lieut. Clarkson	Dreamland	Harry Magsamen
	Jr. Lieut. Clarkson	Dreamland	M. Farelake
	Jr. Lieut. Clarkson	Dreamland	L. Frurthone
	Surg. Mate Gilchrist	Dreamland	Mr. Feldman
	Surg. Mate Gilchrist	Dreamland	Beng. Berkowits
	Surg. Mate Gilchrist	Dreamland	Henretta Garvar
	Surg. Mate Gilchrist	Dreamland	Fred Buelmer
	Surg. Mate Gilchrist	Dreamland	Dave Malts
	Surg. Mate Gilchrist	Dreamland	Nathan Fisherman
	Assist. Surg. Mate H. Hageman	Dreamland	H. Levy
	Assist. Surg. Mate H. Hageman	Dreamland	J. Spell
	Assist. Surg. Mate H. Hageman	Dreamland	Louis Cohen
	Assist. Surg. Mate H. Hageman	Dreamland	Louis Sobel
	Assist. Surg. Mate H. Hageman	Dreamland	H. Levin
	Surfman M. Farrell	Dreamland	Morris Schneider
	22. Surg. Mate F. Gilchrist	Dreamland	Olga Goldberger
	Surg. Mate F. Gilchrist	Dreamland	A. Sute
	Surg. Mate F. Gilchrist	Dreamland	Samuel Kupferman
	Surg. Mate F. Gilchrist	Dreamland	A. Margules
	Surg. Mate F. Gilchrist	Dreamland	Sophie Goldstein
	Surg. Mate F. Gilchrist	Dreamland	Sylvia Shapiro
	Surg. Mate F. Gilchrist	Dreamland	B. Pavsber
	Surg. Mate F. Gilchrist	Dreamland	Chas. Danter
	Surg. Mate F. Gilchrist	Dreamland	J. Stromberg
	Assist. Surg. Mate Hageman	Dreamland	Benj. Orentzel
	Assist. Surg. Mate Hageman	Dreamland	Milton Zegmar
	Assist. Surg. Mate Hageman	Dreamland	Chas. Cohen
	Assist. Surg. Mate Hageman	Dreamland	Irving Finl
	Assist. Surg. Mate Hageman	Dreamland	Harold Tuch
	Assist. Surg. Mate Hageman	Dreamland	D. Randeld
	Assist. Surg. Mate Hageman	Dreamland	Evelyn Weinstein
	Coxswain W. J. Hotte	Dreamland	M. Siegel
	Coxswain W. J. Hotte	Dreamland	David Cash
	Coxswain W. J. Hotte	Dreamland	Jack Kats
	Captain H. Moeller	Dreamland	S. Golden
	Captain H. Moeller	Dreamland	Jee Barsten
	Captain H. Moeller	Dreamland	Nettie Goldglet
	Captain H. Moeller	Dreamland	Nathan Hess
	Surfman O. Miles	Dreamland	Harry Knoll
	Surfman O. Miles	Dreamland	Henry Posen
	Surfman Farrell	Dreamland	Benj. Holakin
	Surfman O. Miles	Dreamland	Sadie Darines
	23. Surfman O. Miles	Dreamland	Sadie Darines
	Surfman O. Miles	Dreamland	J. Montani
	Surfman O. Miles	Dreamland	Rubin Cares
	Surfman O. Miles	Dreamland	Lewis Teirne
	Surfman O. Miles	Dreamland	Grace Furie
	Surfman O. Miles	Dreamland	Jack White
	24. Surfman O. Miles	Dreamland	J. Bugert
	Surfman O. Miles	Dreamland	Aron Katchen
	Surfman O. Miles	Dreamland	Harry Luner
	25. Surfman O. Miles	Dreamland	Max Molick
	Surfman O. Miles	Dreamland	Joseph McGovern
	Surfman O. Miles	Dreamland	R. Montani
	Surfman O. Miles	Dreamland	Sarah Gastann
	26. Sr. Lieut. J. A. Hageman	Dreamland	M. Daly
	27. Surg. Mate F. Gilchrist	Dreamland	Geo. Friedman
	Surg. Mate F. Gilchrist	Dreamland	James Weis

Date 1917	Members rendering "first aid"	Place where	Person assisted
July	27. Surg. Mate F. Gilchrist.....	Dreamland.....	Mollie Lifrock
	Surfman O. Miles.....	Dreamland.....	Wm. March
	28. Assist. Surg. Mate H. Hageman.....	Dreamland.....	M. Goevin
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Charles Corn
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Dan Gigante
	Surg. Mate F. Gilchrist.....	Dreamland.....	David Whitneck
	Surg. Mate F. Gilchrist.....	Dreamland.....	Herbert Zimmerman
	Surg. Mate F. Gilchrist.....	Dreamland.....	Rose Cohen
	Surg. Mate F. Gilchrist.....	Dreamland.....	Nathan Berkowitz
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	David Buler
	29. Assist. Surg. Mate H. Hageman.....	Dreamland.....	J. Borasky
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	N. Green
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Don Deahue
	Assist. Surg. Mate H. Hageman.....	Dreamland.....	Jack Seifer
	Coxswain W. Hotte.....	Dreamland.....	B. Wallace
	Coxswain W. Hotte.....	Dreamland.....	L. Spacek
	Coxswain W. Hotte.....	Dreamland.....	Geo. Wiener
	Captain H. Moeller, Jr.....	Dreamland.....	Lewis Lipstein
	Captain H. Moeller, Jr.....	Dreamland.....	A. Moer
	Surfman I. Roy Livett.....	Dreamland.....	Joe Hurwitz
	30. Surfman E. H. Du Bois.....	Dreamland.....	Morris Hemel
	Surfman E. H. Du Bois.....	Dreamland.....	Joe Cramb
	Surfman E. H. Du Bois.....	Dreamland.....	Louis Kraten
	Surfman E. H. Du Bois.....	Dreamland.....	Moe Greenstien
	Surfman E. H. Du Bois.....	Dreamland.....	Joe Kaiser
	Surfman E. H. Du Bois.....	Dreamland.....	Walter Rosenblatt
	Surfman Geo. Gerhard.....	Dreamland.....	Tetta Roseberg
	Surfman Geo. Gerhard.....	Dreamland.....	Wm. Russell
	Surfman Geo. Gerhard.....	Dreamland.....	David Krokowert
	Surfman Geo. Gerhard.....	Dreamland.....	Samuel Heret
	Surfman Geo. Gerhard.....	Dreamland.....	A. Griveltel
	31. Surg. Mate F. Gilchrist.....	Dreamland.....	Harry Siegbaum
	Surg. Mate F. Gilchrist.....	Dreamland.....	Lion Fels
	Surg. Mate F. Gilchrist.....	Dreamland.....	Martha Gross
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Stern
	Surg. Mate F. Gilchrist.....	Dreamland.....	Mrs. Miller
	Surg. Mate F. Gilchrist.....	Dreamland.....	Robt. Belvedere
	Surg. Mate F. Gilchrist.....	Dreamland.....	Stanford Cohen
	Surg. Mate F. Gilchrist.....	Dreamland.....	Ben Rosenbaum
	Surg. Mate F. Gilchrist.....	Dreamland.....	Jack Russell
	Surg. Mate F. Gilchrist.....	Dreamland.....	Rosie Gavinski
	Surg. Mate F. Gilchrist.....	Dreamland.....	H. Bernard
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Abramotts
	Surfman O. Miles.....	Dreamland.....	Iacdor Winsel
	Surfman O. Miles.....	Dreamland.....	I. Stein
	Surfman O. Miles.....	Dreamland.....	S. Gleishman
	Nurse, Miss Helen Kurdes.....	Dreamland.....	Iewis Kevenbrick
	Nurse, Miss Helen Kurdes.....	Dreamland.....	David Schwartz
	Surfman Du Bois.....	Dreamland.....	Ester Feldman
	Surfman Du Bois.....	Dreamland.....	Ben Roch
	H. G. Paggi.....	Dreamland.....	F. Lester
Aug.	1. Surfman M. Farrell.....	Dreamland.....	Frank Testler
	Surfman M. Farrell.....	Dreamland.....	Louis Shverman
	Surfman M. Farrell.....	Dreamland.....	Morris Nosoli
	Surfman M. Farrell.....	Dreamland.....	H. Greenwald
	Surg. Mate F. Gilchrist.....	Dreamland.....	Matthew Schwartz
	Surg. Mate F. Gilchrist.....	Dreamland.....	J. Kanell
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Abramowitz
	Surg. Mate F. Gilchrist.....	Dreamland.....	Hammond Harina
	Surg. Mate F. Gilchrist.....	Dreamland.....	Pinkerton Colett

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	7. Surg. Mate F. Gilchrist.....	Dreamland.....	Louis Goads
	Surfman M. Farrell.....	Dreamland.....	Goldie Barmeblot
	Surg. Mate F. Gilchrist.....	Dreamland.....	Margaret Young
	Surg. Mate F. Gilchrist.....	Dreamland.....	Murray Silverstein
	Surg. Mate F. Gilchrist.....	Dreamland.....	Max Shubberg
	Surg. Mate F. Gilchrist.....	Dreamland.....	B. Cohen
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Isaac Evenfeld
	Surfman M. Farrell.....	Dreamland.....	Roe Salingar
	Surfman L. W. Livett.....	Dreamland.....	S. Rosenberg
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Abe Freidman
	Surfman M. Farrell.....	Dreamland.....	Sam Becker
	Surfman M. Farrell.....	Dreamland.....	N. Sikora
	2. Jr. Lieut. W. Clarkson.....	Dreamland.....	Dave Staler
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Chas. Shapiro
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Jack Morowits
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Lena Fisher
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Nathan Fisher
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Max Feldman
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Rose Kalvrist
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Sam Handler
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Solomon Cohen
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Pomerants Louis
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Julius Lenobel
	Jr. Lieut. W. Clarkson.....	Dreamland.....	John Giuranna
	Jr. Lieut. W. Clarkson.....	Dreamland.....	H. Goldheiner
	Jr. Lieut. W. Clarkson.....	Dreamland.....	J. Rubenstein
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Dave Staler
	Surg. Mate F. Gilchrist.....	Dreamland.....	Eddie De Lite
	Surg. Mate F. Gilchrist.....	Dreamland.....	Jack Reiter
	Surfman L. W. Livett.....	Dreamland.....	C. Plotaky
	Surfman L. W. Livett.....	Dreamland.....	Harry Wicht
	Surfman M. Farrell.....	Dreamland.....	Morris Dienis
	3. Surg. Mate F. Gilchrist.....	Dreamland.....	J. Schein
	Surg. Mate F. Gilchrist.....	Dreamland.....	Max Gerson
	Surg. Mate F. Gilchrist.....	Dreamland.....	H. Seeman
	Surg. Mate F. Gilchrist.....	Dreamland.....	Edward Topp
	4. Surg. Mate F. Gilchrist.....	Dreamland.....	H. Friedenberg
	Surg. Mate F. Gilchrist.....	Dreamland.....	H. Gross
	Surg. Mate F. Gilchrist.....	Dreamland.....	Lester Desser
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sophie Weiner
	Surg. Mate F. Gilchrist.....	Dreamland.....	B. Gard
	Surg. Mate F. Gilchrist.....	Dreamland.....	L. Jackson
	Surg. Mate F. Gilchrist.....	Dreamland.....	B. Yelim
	Surg. Mate F. Gilchrist.....	Dreamland.....	R. Capom
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Sol Kolow
	Surg. Mate F. Gilchrist.....	Dreamland.....	Abe Goldstein
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sophie Pastolov
	Surg. Mate F. Gilchrist.....	Dreamland.....	David Stark
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sophie Goodman
	Surg. Mate F. Gilchrist.....	Dreamland.....	Sam Groman
	Nurse Helen Kundes.....	Dreamland.....	Simon Kaaden
	Nurse Helen Kundes.....	Dreamland.....	Beatrice Ladden.
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Sol Brady
	Surfman Le Roy Levitt.....	Dreamland.....	I. S. Roffis
	Jr. Lieut. W. Clarkson.....	Dreamland.....	M. Papa
	5. Surfman Sots.....	Dreamland.....	Sam Solomon
	Captain and Crew.....	Dreamland.....	Mathew Barron
	Surg. Mate F. Gilchrist.....	Dreamland.....	Wm. Messenger
	Surg. Mate F. Gilchrist.....	Dreamland.....	I. Segal
	Surg. Mate F. Gilchrist.....	Dreamland.....	Martha Hayer

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. Surg. Mate F. Gilchrist.....	Dreamland.....	M. Cohen
	Surg. Mate F. Gilchrist.....	Dreamland.....	Morris Goodman
	Surg. Mate F. Gilchrist.....	Dreamland.....	R. Rolaky
	Surg. Mate F. Gilchrist.....	Dreamland.....	Max Appelbaum
	Surg. Mate F. Gilchrist.....	Dreamland.....	M. Wassfagel
	Surg. Mate F. Gilchrist.....	Dreamland.....	Joe Rosen
	Surg. Mate F. Gilchrist.....	Dreamland.....	Ben Moser
	Surg. Mate F. Gilchrist.....	Dreamland.....	Phillip Beneu
	Surg. Mate F. Gilchrist.....	Dreamland.....	Rhoda Farrier
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	I. Fisherman
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Leon Welton
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Augusta Drucher
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Isaac Berkinky
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Jos. Traurig
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Geo. Golding
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Machan Siegel
	Mate Hageman.....		
	Jr. Lieut. W. Clarkson.....	Dreamland.....	Walter Cohen
	Asst. Surg.....		
	Jr. Lieut. W. Clarkson.....	Dreamland.....	J. Stromberg
	Surfman M. Farrell.....	Dreamland.....	Sam Tuchman
	Surfman M. Farrell.....	Dreamland.....	S. Kramer
	Surfman M. Farrell.....	Dreamland.....	Abe Weinstein
	Surfman M. Farrell.....	Dreamland.....	Louis Leich
	Captain H. Moeller.....	Dreamland.....	Paul Goets
	Captain H. Moeller.....	Dreamland.....	S. Granat
	Captain H. Moeller.....	Dreamland.....	Isidor London
	Captain H. Moeller.....	Dreamland.....	Victoria Stolmich
	Surfman Gerhard.....	Dreamland.....	T. Mathen
	Surfman Gerhard.....	Dreamland.....	M. Deerdock
	Surfman O. Miles.....	Dreamland.....	B. Stovbodnick
	Surfman Le Roy Levitt.....	Dreamland.....	Hyman Susskind
	Surfman Le Roy Levitt.....	Dreamland.....	S. Silverman
	Coxswain W. Hotte.....	Dreamland.....	Abe Tamman
	8. Asst. Surg. Mate H. Hageman.....	Dreamland.....	Ida Kowalsky
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Harry Goldberg
10.	Captain H. Moeller.....	Dreamland.....	Dave Gesser
	Captain H. Moeller.....	Dreamland.....	John Anderson
	Surfman Geo. Gerhard.....	Dreamland.....	H. Kats
11.	Jr. Lieut. W. Clarkson.....	Dreamland.....	Anna Shlinger
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Sam Miller
12.	Asst. Surg. Mate H. Hageman.....	Dreamland.....	L. Sax
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Jacob Benjamin
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Moser Gomberg
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Peter Byron
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Jack Michaelson
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Lillian Goodstein
	Asst. Surg. Mate H. Hageman.....	Dreamland.....	Morris Kesslers
	Surg. Mate F. Gilchrist.....	Dreamland.....	G. Fliegel
	Surg. Mate F. Gilchrist.....	Dreamland.....	S. Abramowitz
	Surg. Mate F. Gilchrist.....	Dreamland.....	S. Silver
	Captain H. Moeller.....	Dreamland.....	Irving Wolodiger
	Captain H. Moeller.....	Dreamland.....	Ida Berman
	Captain H. Moeller.....	Dreamland.....	J. Rosenstein
13.	Coxswain H. Murray.....	Dreamland.....	R. Dobert
	Coxswain W. Hotte.....	Dreamland.....	Chas. Simmons
	Surfman O. Miles.....	Dreamland.....	Harry Schuribert
14.	Surfman E. H. Du Bois.....	Dreamland.....	Ida Lasnustaky
17.	Surfman E. H. Du Bois.....	Dreamland.....	Ralph Roberts
May	20. Surg. Mate R. O'Neil.....	Washington.....	Dan Ledvasio

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
May	30. Surg. Mate R. O'Neil.....	Washington.....	Agnes Tutt'e
	Surg. Mate R. O'Neil.....	Washington.....	Ed. Todd
	Surg. Mate R. O'Neil.....	Washington.....	Jacob Weiss
	Surg. Mate R. O'Neil.....	Washington.....	Theo. Swan
	Surg. Mate R. O'Neil.....	Washington.....	Thos. Madden
June	10. Surg. Mate R. O'Neil.....	Washington.....	Nora Kerr
	23. Boatswain J. Flervak.....	Washington.....	Daniel Harris
	Asst. Surg. Mate Ralph Feldman	Washington.....	Robert Frank
	24. Surg. Mate R. O'Neil.....	Washington.....	Sol Edembaum
	Surg. Mate R. O'Neil.....	Washington.....	Walter Nudelman
	Asst. Surg. Mate Ralph Feldman	Washington.....	Jacob Horowitz
	Asst. Surg. Mate Ralph Feldman	Washington.....	I. Wirschenfrank
	Coxswain A. McGovern.....	Washington.....	Abraham Stoner
	Asst. Surg. M. Sy Nusbaum...	Washington.....	Jacob Welstein
	Sr. Lieut. H. L. Dobbin.....	Washington.....	Samuel Ja'fer
	Surfman Bau.....	Washington.....	Isidor Wallace
	Surfman Bau.....	Washington.....	Elmore Buerle
	Surfman Bau.....	Washington.....	Max Zips
	25. Sr. Lieut. H. L. Dobbin.....	Washington.....	Louis Palui
	Sr. Lieut. H. L. Dobbin.....	Washington.....	David Kleinman
	Sr. Lieut. H. L. Dobbin.....	Washington.....	Archie Greenberg
	Surg. Mate O'Neil.....	Washington.....	Geo. Goldstein
	Surfman Hagan.....	Washington.....	Herman Meltser
	Surfman Benjamin Goldfard...	Washington.....	Lena Weinstein
July	1. Jr. Lieut. Geo. Preece.....	Washington.....	Morris Katz
	Coxswain F. C. Young.....	Washington.....	Jos. Ingarra
	Jr. Lieut. Preece.....	Washington.....	I. Kaplan
	2. Sr. Lieut. Dobbin.....	Washington.....	Benj. Roesen'burg
	Surfman Richards.....	Washington.....	C. Betnsky
	Surg. Mate O'Neil.....	Washington.....	B. Karchinsky
	7. Boatswain A. Farmigh.....	Washington.....	H. Leebow
	Boatswain A. Farmigh.....	Washington.....	G. Schmidt
	8. Captain Licciardi.....	Washington.....	Edw. Alpert
	Captain Licciardi.....	Washington.....	M. Goldberg
	Surfman S. Nusbaum.....	Washington.....	S. Spiegel
	Surg. Mate O'Neil.....	Washington.....	Fannie Polanski
	Surg. R. Cahill.....	Washington.....	I. Goldman
	Sr. Lieut. Dobbin.....	Washington.....	Mr. Brettschnider
	Sr. Lieut. Dobbin.....	Washington.....	Max Rettig
	Sr. Lieut. Dobbin.....	Washington.....	Isidore Rimler
	Sr. Lieut. Dobbin.....	Washington.....	Edw. Alpert
	Sr. Lieut. Dobbin.....	Washington.....	Jacob Wald
	Sr. Lieut. Dobbin.....	Washington.....	Morris Coehn
	Sr. Lieut. Dobbin.....	Washington.....	Mr. Goldberg
	13. Jr. Lieut. Geo. Preece.....	Washington.....	Frieda Hochroth
	22. Surg. Mate O'Neil.....	Washington.....	Henry Silverman
	Surg. Mate O'Neil.....	Washington.....	Ida Mensowits
	Surg. Mate O'Neil.....	Washington.....	Ida Mensowits
	Surg. Mate O'Neil.....	Washington.....	A. Tilaum
	Surg. Mate O'Neil.....	Washington.....	Morris Koscor
	Surg. Mate O'Neil.....	Washington.....	H. Friedenrick
	Surg. Mate O'Neil.....	Washington.....	Jennie Weisman
	Surg. Mate O'Neil.....	Washington.....	May Rubenstein
	Surg. Mate O'Neil.....	Washington.....	Sophie Voldanoff
	Surg. Mate O'Neil.....	Washington.....	Fannie Frank
	Surg. Mate O'Neil.....	Washington.....	Ruth Shapiro
	Surg. Mate O'Neil.....	Washington.....	Jules Schwartz
	Surg. Mate O'Neil.....	Washington.....	Issie Berry
	Surg. Mate O'Neil.....	Washington.....	Chas. Lippman
	Surg. Mate O'Neil.....	Washington.....	Dorothy Dugan

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	22. Surfman Benj. Goldfarb.....	Washington.....	Jack Schwartz
	Surfman Hagan.....	Washington.....	Geo. Rubin
	23. Surfman M. O'Neil.....	Washington.....	Marion Block
	Surfman M. O'Neil.....	Washington.....	Max Shern
	Jr. Lieut. Frank Liccardi.....	Washington.....	Henry Friedendick
	Surg. Mate O'Neil.....	Washington.....	I. Weiss
	Surfman Barr.....	Washington.....	Adolph Laufer
	Surfman Barr.....	Washington.....	Irving Jackelon
	Surfman Barr.....	Washington.....	William Weisberg
	Surfman Barr.....	Washington.....	H. Weinreich
	Surfman Barr.....	Washington.....	Murray Kasof
	Surfman Benj. Goldfarb.....	Washington.....	Abe Freedrom
	Surg. Mate O'Neil.....	Washington.....	Max Clark
	Surfman Hagan.....	Washington.....	Harry Levon
	Surfman Barr.....	Washington.....	Mos Groosman
	Surg. Mate O'Neil.....	Washington.....	J. Schwartz
	Surg. Mate O'Neil.....	Washington.....	Sam Goldberg
	Surg. Mate O'Neil.....	Washington.....	Louis Goldberg
	Surg. Mate O'Neil.....	Washington.....	Sam Kleinman
	22. Surg. Mate O'Neil.....	Washington.....	Sam Kleinman
	Surfman Barr.....	Washington.....	Oscar Render
	Surfman Barr.....	Washington.....	J. Pernick
	Jr. Lieut. G. Preece.....	Washington.....	S. Skalmar
	Jr. Lieut. G. Preece.....	Washington.....	Joe Steinowits
	Jr. Lieut. G. Preece.....	Washington.....	Mr. Becker
	Surfman Barr.....	Washington.....	Samuel Weber
	Surfman Barr.....	Washington.....	Max Fuchs
	23. Surfman Benj. Goldfarb.....	Washington.....	Louis Merlsten
	Surfman Benj. Goldfarb.....	Washington.....	Leon Kanneits
	Captain Liccardi.....	Washington.....	Sol Cadl
	24. Surfman Benj. Goldfarb.....	Washington.....	Morris Zimmerman
	Surfman Benj. Goldfarb.....	Washington.....	Tony Scarpato
	Jr. Lieut. G. Preece.....	Washington.....	Rose Morris
	25. Surfman Benj. Goldfarb.....	Washington.....	Morris Goldstein
	Surfman Benj. Goldfarb.....	Washington.....	A. Goldberg
	Surfman Benj. Goldfarb.....	Washington.....	Joe Mers
	Captain A. Liccardi.....	Washington.....	Alex Elson
	27. Captain A. Liccardi.....	Washington.....	Louis Balhan
	Captain A. Liccardi.....	Washington.....	D. Friedman
	Captain A. Liccardi.....	Washington.....	Harry Rinner
	Captain A. Liccardi.....	Washington.....	J. Ruttenberg
	Captain A. Liccardi.....	Washington.....	Adolph Raim
	Captain A. Liccardi.....	Washington.....	J. Lawberg
	Captain A. Liccardi.....	Washington.....	Louis Kaplar
	Surfman Benj. Goldfarb.....	Washington.....	Irving Kirschenbaum
	28. Captain A. Liccardi.....	Washington.....	D. Lifkowitz
	Captain A. Liccardi.....	Washington.....	Geo. Johnston
	Captain A. Liccardi.....	Washington.....	S. Selser
	Captain A. Liccardi.....	Washington.....	Mr. Aberbach
	Captain A. Liccardi.....	Washington.....	L. Levinson
	Captain A. Liccardi.....	Washington.....	S. Rose
	Captain A. Liccardi.....	Washington.....	Wm. Wiesel
	Captain A. Liccardi.....	Washington.....	Bob Goldstein
	Captain A. Liccardi.....	Washington.....	Wm. March
	Captain A. Liccardi.....	Washington.....	Sam Lebains
	Captain A. Liccardi.....	Washington.....	Chas. Cohen
	Captain A. Liccardi.....	Washington.....	Morris Goldberg
	Captain A. Liccardi.....	Washington.....	Ida Leventhal
	Captain A. Liccardi.....	Washington.....	S. Appel
	Surfman Ballora.....	Washington.....	John Benkert

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
July 29.	Captain A. Liccardi.....	Washington.....	Joe Gross
	Captain A. Liccardi.....	Washington.....	J. Frederick
	Captain A. Liccardi.....	Washington.....	Sol Pfefer
	Captain from Headquarters, Feldman.....	Washington.....	Morris Ruberstien
	Captain A. Liccardi.....	Washington.....	Jay Smith
	Captain A. Liccardi.....	Washington.....	Ester Tucker
	Moe Ehrlich.....	Washington.....	Lewis Isidor
	Moe Ehrlich.....	Washington.....	John Vasey
	Moe Ehrlich.....	Washington.....	H. Belman
	Moe Ehrlich.....	Washington.....	Joe Seimmers
	Moe Ehrlich.....	Washington.....	Joe Lerner
	Moe Ehrlich.....	Washington.....	Alex Dashiff
	Moe Ehrlich.....	Washington.....	Charles Doch
	Moe Ehrlich.....	Washington.....	Fred Peyser
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Florence Lewis
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Joe Elbirg
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Julian Kats
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Annie Sher
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Ed. Rothkart
	R. Cahill.....	Washington.....	Charles Clybah
	Boatswain J. Groak.....	Washington.....	Sol Benjamin
	30. Captain Liccardi.....	Washington.....	Rosie Coetello
	Captain Liccardi.....	Washington.....	Martha Mandell
	Captain Liccardi.....	Washington.....	Louis Lerner
	Captain Liccardi.....	Washington.....	Abraham Rubin
	Captain Liccardi.....	Washington.....	Sam Pastick
	Captain Liccardi.....	Washington.....	Joe Landam
	Captain Liccardi.....	Washington.....	Max Marshun
	Captain Liccardi.....	Washington.....	J. Brown
	Captain Liccardi.....	Washington.....	Hyman Kartsky
	Captain Liccardi.....	Washington.....	R. Ruberman
	Captain Liccardi.....	Washington.....	Sam Serner
	Captain Liccardi.....	Washington.....	Isidore Davis
	Captain Liccardi.....	Washington.....	Sam Epstein
	Captain Liccardi.....	Washington.....	Peter Goverude
	Captain Liccardi.....	Washington.....	Louis Price
	Captain Liccardi.....	Washington.....	Silbro Charfadine
	Captain Liccardi.....	Washington.....	Chas. Hoffman
31.	A. Liccardi.....	Washington.....	Isidore Slifky
	A. Liccardi.....	Washington.....	Irving Tuhne
	Captain Liccardi.....	Washington.....	Daniel Schuh
	Captain Liccardi.....	Washington.....	Abe Mines
	Captain Liccardi.....	Washington.....	Wm. Miller
	Captain Liccardi.....	Washington.....	Irving Ocheret
	Captain Liccardi.....	Washington.....	Wm. Goldblott
	Anthony Liccardi.....	Washington.....	Louis Labowivits
	Anthony Liccardi.....	Washington.....	Joseph Breston
	Captain Liccardi.....	Washington.....	H. Beckler
	Captain Liccardi.....	Washington.....	B. Boudick
	Captain Liccardi.....	Washington.....	Isidore Goller
	Captain Liccardi.....	Washington.....	Albert Speaker
	Captain Liccardi.....	Washington.....	M. P. Marks
	Captain Liccardi.....	Washington.....	S. Feldman
	Captain Liccardi.....	Washington.....	Sidney T raky
	Captain Liccardi.....	Washington.....	Nathan Bick
	Captain Liccardi.....	Washington.....	Samuel Reich
	Captain Liccardi.....	Washington.....	Wm. Mints
	Captain Liccardi.....	Washington.....	Solomon Schneider
	Captain Liccardi.....	Washington.....	A. Lerues

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	31. Captain Liccardi.....	Washington.....	Lewis Friedman
	Captain Liccardi.....	Washington.....	Henry Silvers
	Captain Liccardi.....	Washington.....	Morris Zlotnick
	Captain Liccardi.....	Washington.....	George Goldberg
	Captain Liccardi.....	Washington.....	B. Golden
	Captain Liccardi.....	Washington.....	Samuel Keiskin
	Captain Liccardi.....	Washington.....	Jos. Siegel
	Captain Liccardi.....	Washington.....	Solomon Nemewoff
	Captain Liccardi.....	Washington.....	B. Satz
	Captain Liccardi.....	Washington.....	L. Epstein
	Captain Liccardi.....	Washington.....	Ralph Simolo
	Captain Liccardi.....	Washington.....	M. Berkoff
	Captain Liccardi.....	Washington.....	Herman Popowits
	Captain Liccardi.....	Washington.....	M. Epstein
	Anthony Liccardi.....	Washington.....	Abe Plotnick
	Anthony Liccardi.....	Washington.....	Fadie Lieberman
	Anthony Liccardi.....	Washington.....	Evelyn Steinfeld
	Anthony Liccardi.....	Washington.....	Max Bauman
	Bernard Feldman.....	Washington.....	Geo. Burg
	Ast. Surg. Mate S. Nusbaum.....	Washington.....	Jake Kragafsky
	Surfman Benj. Goldfarb.....	Washington.....	Sadie Ferrasky
	Surfman Dobbins.....	Washington.....	Isidore Bagon
Aug.	1. Surfman O'Neil.....	Washington.....	Minnie Fienstein
	Surfman O'Neil.....	Washington.....	Julius Niarowits
	Surfman O'Neil.....	Washington.....	Phillip Garland
	Surfman O'Neil.....	Washington.....	Abe Simon
	Surfman O'Neil.....	Washington.....	Mr. K. Weissner
	Captain F. Liccardi.....	Washington.....	Dora Nowalk
	Anthony Liccardi.....	Washington.....	S. Goldberg
	Anthony Liccardi.....	Washington.....	Wolf Volbman
	Captain F. Liccardi.....	Washington.....	Wolf
	Captain F. Liccardi.....	Washington.....	M. Oranaky
	Captain F. Liccardi.....	Washington.....	Chas. Scherer
	Captain F. Liccardi.....	Washington.....	L. I. Beresen
	Captain F. Liccardi.....	Washington.....	F. Bick
	Captain F. Liccardi.....	Washington.....	Dave Rhin
	Captain F. Liccardi.....	Washington.....	David Batiste
	Captain F. Liccardi.....	Washington.....	Mr. Ben Alpert
	Captain F. Liccardi.....	Washington.....	N. Klein
	Captain F. Liccardi.....	Washington.....	D. Lipits
	Captain F. Liccardi.....	Washington.....	M. Klein
	Captain F. Liccardi.....	Washington.....	Mary Kleinman
	Captain F. Liccardi.....	Washington.....	M. Dorman
	Captain F. Liccardi.....	Washington.....	Max Glass
	Captain F. Liccardi.....	Washington.....	Sam Rosen
	Captain F. Liccardi.....	Washington.....	Joseph Ginberg
	Captain F. Liccardi.....	Washington.....	Abe Slawsky
	Captain F. Liccardi.....	Washington.....	Joseph Ziger
	Captain F. Liccardi.....	Washington.....	Max Kaufman
	Captain F. Liccardi.....	Washington.....	Sam Bettinger
	Captain F. Liccardi.....	Washington.....	S. Percely
	Captain F. Liccardi.....	Washington.....	Sam Rienfeldt
	Captain F. Liccardi.....	Washington.....	Samuel Haber
	Captain F. Liccardi.....	Washington.....	Abe Gerber
	Captain F. Liccardi.....	Washington.....	Rachael Treensky
	Captain F. Liccardi.....	Washington.....	Berdie Kasdan
	Captain F. Liccardi.....	Washington.....	Meyer Weingrad
	Captain F. Liccardi.....	Washington.....	David Roth
	Captain F. Liccardi.....	Washington.....	Nathan Garbin
	Captain F. Liccardi.....	Washington.....	M. Shapiro

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	1. Captain F. Liccardi.....	Washington.....	Louis Quilkrud
	Captain F. Liccardi.....	Washington.....	Benj. Liechtenstein
	Captain F. Liccardi.....	Washington.....	Benj. Brothrig
	Captain F. Liccardi.....	Washington.....	Max Solomon
	Captain F. Liccardi.....	Washington.....	C. Leon
	Captain F. Liccardi.....	Washington.....	Benj. Schwartz
	Captain F. Liccardi.....	Washington.....	A. Miller
	Captain F. Liccardi.....	Washington.....	Frank Clement
	Captain F. Liccardi.....	Washington.....	Isidore Lippman
	Captain F. Liccardi.....	Washington.....	James Friedland
	Captain F. Liccardi.....	Washington.....	Rose Rubin
	Captain F. Liccardi.....	Washington.....	Een Alpert
	Captain F. Liccardi.....	Washington.....	Stella Pascall
	Captain F. Liccardi.....	Washington.....	Albert Fabian
	Captain F. Liccardi.....	Washington.....	Fred Clapman
	Captain F. Liccardi.....	Washington.....	H. Neidorf
	Captain F. Liccardi.....	Washington.....	Jona Cphen
	Captain F. Liccardi.....	Washington.....	Herman Sonner
	Captain F. Liccardi.....	Washington.....	Mr. Kronbein
	Captain F. Liccardi.....	Washington.....	Morris Rothenberg
	Captain F. Liccardi.....	Washington.....	Evelyn Lewanowaky
	Captain F. Liccardi.....	Washington.....	P. Kellerman
	Captain F. Liccardi.....	Washington.....	Louis Berts
	Captain F. Liccardi.....	Washington.....	S. Fischer
	Captain F. Liccardi.....	Washington.....	Abe Goldberg
	Captain F. Liccardi.....	Washington.....	Julius Guskind
	Captain F. Liccardi.....	Washington.....	Bessie Retman
	Captain F. Liccardi.....	Washington.....	Benj. Bedenaky
	Captain F. Liccardi.....	Washington.....	Harry Nickels
	Captain F. Liccardi.....	Washington.....	Jacob Kaplan
	Captain F. Liccardi.....	Washington.....	Jesse Griniet
	Captain F. Liccardi.....	Washington.....	Iseal Wolvosky
	Captain F. Liccardi.....	Washington.....	R. Steinberg
	Captain F. Liccardi.....	Washington.....	Fannie Kaplan
	Captain F. Liccardi.....	Washington.....	Sidney Bateman
	Captain F. Liccardi.....	Washington.....	D. Steingarten
	Captain F. Liccardi.....	Washington.....	Morris Rudden
	Captain F. Liccardi.....	Washington.....	Harry William
	Captain F. Liccardi.....	Washington.....	Marny Schults
	Surfman Nusbaum.....	Washington.....	Morris Zimmerman
	Surfman Nusbaum.....	Washington.....	Jack Harts
	Surfman Nusbaum.....	Washington.....	Henry Zweig
	2. Anthony Liccardi.....	Washington.....	Leo Bolanky
	Anthony Liccardi.....	Washington.....	M. Brothman
	Captain Liccardi.....	Washington.....	Chas. Scharfs
	Captain Liccardi.....	Washington.....	B. Klob
	Captain Liccardi.....	Washington.....	L. Katser
	Captain Liccardi.....	Washington.....	Tillie Goldberg
	Captain Liccardi.....	Washington.....	Captain F. Henry
	Captain Liccardi.....	Washington.....	Al Witt
	Captain Liccardi.....	Washington.....	Herbert Barren
	Captain Liccardi.....	Washington.....	Joe Calbro
	Captain Liccardi.....	Washington.....	Jacob Cohen
	Captain Liccardi.....	Washington.....	Ann Hascup
	Captain Liccardi.....	Washington.....	Gertrude Levy
	Captain Liccardi.....	Washington.....	Bertha Cohen
	Captain Liccardi.....	Washington.....	P. Herashhorn
	Captain Liccardi.....	Washington.....	Max Weiss
	Captain Liccardi.....	Washington.....	Abe Finklestein
	Captain Liccardi.....	Washington.....	Joe Goldstein

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 2.	Captain Liccardi.....	Washington.....	Nat Forman
	Captain Liccardi.....	Washington.....	O. Kistler
	Captain Liccardi.....	Washington.....	Jacob Schecter
	Captain Liccardi.....	Washington.....	Morris Schwartz
	Captain Liccardi.....	Washington.....	Philip Abramowitz
	Captain Liccardi.....	Washington.....	Jack Fox
	Captain Liccardi.....	Washington.....	I. Taylor
	Captain Liccardi.....	Washington.....	Max Blits
3.	Captain Liccardi.....	Washington.....	Beatrice Levitt
	E. F. Dunn.....	Washington.....	Frank Posa
	Captain F. Liccardi.....	Washington.....	I. Silverman
	Captain F. Liccardi.....	Washington.....	M. Cohen
	Captain F. Liccardi.....	Washington.....	Sarah Betrock
	Captain F. Liccardi.....	Washington.....	John Boi
	Captain F. Liccardi.....	Washington.....	John Werner
	Captain F. Liccardi.....	Washington.....	Philip Gordon
	Captain F. Liccardi.....	Washington.....	Abe Newenson
	Captain F. Liccardi.....	Washington.....	Harry Soupnick
	Captain F. Liccardi.....	Washington.....	Joseph Scharfer
	Captain F. Liccardi.....	Washington.....	Isidore Rothenberg
	Captain F. Liccardi.....	Washington.....	John Kanse
	Captain F. Liccardi.....	Washington.....	Sylvia Sohn
	Captain F. Liccardi.....	Washington.....	M. Gollender
	Captain F. Liccardi.....	Washington.....	Helen Lamtheame
	Captain F. Liccardi.....	Washington.....	H. Blotaky
	Anthony Liccardi.....	Washington.....	Tillie Multel
	Anthony Liccardi.....	Washington.....	Samuel Horowitz
4.	Anthony Liccardi.....	Washington.....	Hyman Rosenberg
	Captain F. Liccardi.....	Washington.....	Max Giller
	Captain F. Liccardi.....	Washington.....	L. Fisher
	Captain F. Liccardi.....	Washington.....	Joseph Smolen
	Captain F. Liccardi.....	Washington.....	Samuel Gross
	Captain F. Liccardi.....	Washington.....	D. Grossman
	Captain F. Liccardi.....	Washington.....	Paul Geleruter
	Captain F. Liccardi.....	Washington.....	Adolph Carlson
	Captain F. Liccardi.....	Washington.....	Wm. Kaufman
	Captain F. Liccardi.....	Washington.....	J. Clinton
	Captain F. Liccardi.....	Washington.....	Herman Scharf
	Captain F. Liccardi.....	Washington.....	Philip Berman
	Captain F. Liccardi.....	Washington.....	Louis Paley
	Captain F. Liccardi.....	Washington.....	Wm. Kalt
	Captain F. Liccardi.....	Washington.....	Meyer Schwartz
	Captain F. Liccardi.....	Washington.....	Bertha Lahn
	Captain F. Liccardi.....	Washington.....	Joe Stockfaber
	Captain F. Liccardi.....	Washington.....	William Sleek
	Captain F. Liccardi.....	Washington.....	Adolf Zukerbarker
	Captain F. Liccardi.....	Washington.....	Morris Fenberg
	Captain F. Liccardi.....	Washington.....	Francis Brenner
	Captain F. Liccardi.....	Washington.....	Harry Horber
	Captain F. Liccardi.....	Washington.....	Herman Cohen
	Captain F. Liccardi.....	Washington.....	Morris Kaplan
	Captain F. Liccardi.....	Washington.....	Henry Rothechild
	Captain F. Liccardi.....	Washington.....	Irving Vengrone
	Captain F. Liccardi.....	Washington.....	Frederick Sherman
	Captain F. Liccardi.....	Washington.....	Anthony Liccardi
	Anthony Liccardi.....	Washington.....	R. Rothenberg
	Anthony Liccardi.....	Washington.....	Max Spean
	Anthony Liccardi.....	Washington.....	Abe Schwartz
	Anthony Liccardi.....	Washington.....	R. Rothenberg
	Anthony Liccardi.....	Washington.....	S. Zipper

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	4. Anthony Liccardi.....	Washington.....	Leo Siegler
	Anthony Liccardi.....	Washington.....	H. Olarech
	Benj. Goldfarb.....	Washington.....	Morris March
	Edward Ballora.....	Washington.....	Ed. Call
5.	Captain F. Liccardi.....	Washington.....	Charles Cohen
	Captain F. Liccardi.....	Washington.....	Fannie Wald
	Captain F. Liccardi.....	Washington.....	Abe Dickler
	Captain F. Liccardi.....	Washington.....	Jack Kuhn
	Captain F. Liccardi.....	Washington.....	Dave Hinges
	Captain F. Liccardi.....	Washington.....	Herman Tepreberg
	Captain F. Liccardi.....	Washington.....	Irving Landau
	Captain F. Liccardi.....	Washington.....	Herman Kurferson
	Captain F. Liccardi.....	Washington.....	Gotlieb Wits
	Captain F. Liccardi.....	Washington.....	L. Stuarts
	Captain F. Liccardi.....	Washington.....	M. Cohen
	Captain F. Liccardi.....	Washington.....	C. Goodman
	Captain F. Liccardi.....	Washington.....	Albert Licciaddi
	Captain F. Liccardi.....	Washington.....	Dave Silver
	Captain F. Liccardi.....	Washington.....	Benj. Jahrmarkt
	Captain F. Liccardi.....	Washington.....	Joseph Desberg
	Captain F. Liccardi.....	Washington.....	R. Whitman
	Captain F. Liccardi.....	Washington.....	Jos. Cutler
	Captain F. Liccardi.....	Washington.....	L. Fuchs
	Captain F. Liccardi.....	Washington.....	Unknown man
	Captain F. Liccardi.....	Washington.....	David Rock
	Captain F. Liccardi.....	Washington.....	Lillian Learner
	Captain F. Liccardi.....	Washington.....	Jack Stabin
	Captain F. Liccardi.....	Washington.....	Harry Hendler
	Captain F. Liccardi.....	Washington.....	Chas. Goldfern
	Captain F. Liccardi.....	Washington.....	Robt. Cohen
	Captain F. Liccardi.....	Washington.....	Abe Goldstein
	Captain F. Liccardi.....	Washington.....	Morris Spatler
	Captain F. Liccardi.....	Washington.....	Moe Green
	Captain F. Liccardi.....	Washington.....	H. Needorf
	Captain F. Liccardi.....	Washington.....	C. Brown
	Captain F. Liccardi.....	Washington.....	Louis Slotnic
	Captain F. Liccardi.....	Washington.....	M. Budmick
	Captain F. Liccardi.....	Washington.....	Abe Goldfarb
	Captain F. Liccardi.....	Washington.....	Harry Lasoff
	Captain F. Liccardi.....	Washington.....	Sol. Worman
	Captain F. Liccardi.....	Washington.....	H. Pollack
	Captain F. Liccardi.....	Washington.....	Chas. Pensino
	Captain F. Liccardi.....	Washington.....	S. Talkowsky
	Captain F. Liccardi.....	Washington.....	B. Freidman
	Captain F. Liccardi.....	Washington.....	Nathan Dennam
	Captain F. Liccardi.....	Washington.....	Sam Salmt
	Captain F. Liccardi.....	Washington.....	Max Grosman
	Captain F. Liccardi.....	Washington.....	M. Klabenaky
	Captain F. Liccardi.....	Washington.....	L. Joseph
	Captain F. Liccardi.....	Washington.....	Netta Kaxlan
	Captain F. Liccardi.....	Washington.....	Samuel Schechner
	Captain F. Liccardi.....	Washington.....	Margaret Sordini
	Captain F. Liccardi.....	Washington.....	J. Newman
	Captain F. Liccardi.....	Washington.....	A. Novenaky
	Captain F. Liccardi.....	Washington.....	Fannie Wilnek
	Captain F. Liccardi.....	Washington.....	Clea Clystan
	Captain F. Liccardi.....	Washington.....	Miss Bergen
	Captain F. Liccardi.....	Washington.....	Mick Nyntogon
	Captain F. Liccardi.....	Washington.....	L. Deutsch
	Captain F. Liccardi.....	Washington.....	Bernard Sinberg

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. Captain F. Liccardi.....	Washington.....	L. Kasinoff
	Captain F. Liccardi.....	Washington.....	H. Chucklin
	Captain F. Liccardi.....	Washington.....	Coleman Schadner
	Captain F. Liccardi.....	Washington.....	Morris Orrsten
	Captain F. Liccardi.....	Washington.....	R. Schulman
	Captain F. Liccardi.....	Washington.....	D. Lochenthal
	Captain F. Liccardi.....	Washington.....	Harry Ratner
	Captain F. Liccardi.....	Washington.....	Isidor Snyder
	Captain F. Liccardi.....	Washington.....	Morris Fincklestein
	Captain F. Liccardi.....	Washington.....	Phillip Broser
	Captain F. Liccardi.....	Washington.....	Sol H. Solomon
	Captain F. Liccardi.....	Washington.....	M. Matzkin
	Captain F. Liccardi.....	Washington.....	Clara Weisberg
	Captain F. Liccardi.....	Washington.....	M. Ehrlich
	Captain F. Liccardi.....	Washington.....	Max Schin
	Captain F. Liccardi.....	Washington.....	Sam Walter
	Captain F. Liccardi.....	Washington.....	Beatrice Rosenberg
	Captain F. Liccardi.....	Washington.....	Jack Staveins
	Captain F. Liccardi.....	Washington.....	W. Goldstein
	Captain F. Liccardi.....	Washington.....	Irving Enstein
	Captain F. Liccardi.....	Washington.....	Clara Freedman
	Captain F. Liccardi.....	Washington.....	Harry Shafman
	Captain F. Liccardi.....	Washington.....	Leo Slutsky
	Captain F. Liccardi.....	Washington.....	Samuel Iglowsky
	Captain F. Liccardi.....	Washington.....	Nathan Fire
	Captain F. Liccardi.....	Washington.....	Geo. Scherman
	Captain F. Liccardi.....	Washington.....	Morris Cohen
	Captain F. Liccardi.....	Washington.....	W. Goldman
	Captain F. Liccardi.....	Washington.....	Irving Zibin
	Captain F. Liccardi.....	Washington.....	S. Charnon
	Captain F. Liccardi.....	Washington.....	Harry Hirshorn
	Captain F. Liccardi.....	Washington.....	H. Schubmen
	Captain F. Liccardi.....	Washington.....	Benj. Jonofsky
	Captain F. Liccardi.....	Washington.....	Samuel Janavey
	Captain F. Liccardi.....	Washington.....	Benj. Livensky
	Captain F. Liccardi.....	Washington.....	Davis Silbert
	Captain F. Liccardi.....	Washington.....	Mr. Wollenis
	Captain F. Liccardi.....	Washington.....	Barnet Cohen
	Captain F. Liccardi.....	Washington.....	Mr. Berkenworth
	Captain F. Liccardi.....	Washington.....	Moe Anelkin
	Anthony Liccardi, Aux.....	Washington.....	B. Sussman
	Anthony Liccardi, Aux.....	Washington.....	Solomon Goldstein
	Anthony Liccardi, Aux.....	Washington.....	Rebecca Tiller
	Anthony Liccardi, Aux.....	Washington.....	Joe Orlan
	Anthony Liccardi, Aux.....	Washington.....	Abe Herberg
	Anthony Liccardi, Aux.....	Washington.....	Joe Reitman
	Anthony Liccardi, Aux.....	Washington.....	M. Freedman
	Anthony Liccardi, Aux.....	Washington.....	Sam Siasberg
	Anthony Liccardi, Aux.....	Washington.....	S. Pfeiffer
	Anthony Liccardi, Aux.....	Washington.....	Rose Cohen
	Anthony Liccardi, Aux.....	Washington.....	Anna Briskman
	Anthony Liccardi, Aux.....	Washington.....	Max Bliss
	Anthony Liccardi, Aux.....	Washington.....	Harry Grushanaky
	Anthony Liccardi, Aux.....	Washington.....	J. Kamminer
	Anthony Liccardi, Aux.....	Washington.....	M. Platone
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Wm. Dawkins
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Marous Rauchberger
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	P. Bradaky
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Mrs. Alfred Goldsmith
	Asst. Surg. Mate S. Nussbaum.....	Washington.....	Philip Buet

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. Asst. Surg. Mate S. Nussbaum.	Washington.....	Isidor Green
	Asst. Surg. Mate S. Nussbaum.	Washington.....	Jacob Givits
	Captain E. F. Dunn.....	Washington.....	Wm. Moffett
	Captain E. F. Dunn.....	Washington.....	John Murphy
	Surfman Benj. Goldfarb.....	Washington.....	Stanley Rothheim
	Surfman Ed. Ballora.....	Washington.....	Jay Royme
	Dr. N. S. Carlin.....	Washington.....	I. Browns
	Asst. Surg. Mate A. Feldman..	Washington.....	A. Summer
	Asst. Surg. Mate A. Feldman..	Washington.....	A. Goldberg
	Asst. Surg. Mate A. Feldman..	Washington.....	R. H. Bunting
	Asst. Surg. Mate A. Feldman..	Washington.....	Sam Eisenberg
	6. Captain Liccardi.....	Washington.....	H. Poster
	Captain Liccardi.....	Washington.....	R. Frisello
	Captain Liccardi.....	Washington.....	Isidore Levine
	Captain Liccardi.....	Washington.....	Charles Cohen
	Captain Liccardi.....	Washington.....	N. Harowitz
	Captain Liccardi.....	Washington.....	B. Seligman
	Captain Liccardi.....	Washington.....	M. Caul
	Captain Liccardi.....	Washington.....	Leo Slutsky
	Captain Liccardi.....	Washington.....	L. Israelson
	Captain Liccardi.....	Washington.....	Jack Price
	Anthony Liccardi, Aux.....	Washington.....	Evelyn Steinfeld
	7. Captain F. Liccardi.....	Washington.....	Morris Feinberg
	Captain F. Liccardi.....	Washington.....	Ida Leventhal.
	Captain F. Liccardi.....	Washington.....	A. Weiss
	Captain F. Liccardi.....	Washington.....	Harry Wallard
	Captain F. Liccardi.....	Washington.....	Henry Livenaky
	Captain F. Liccardi.....	Washington.....	E. Lieb
	Captain F. Liccardi.....	Washington.....	Eva Solomon
	Captain F. Liccardi.....	Washington.....	Sam Geller
	Captain F. Liccardi.....	Washington.....	Jacob Klienman
	Captain F. Liccardi.....	Washington.....	Morris Ganin
	Captain F. Liccardi.....	Washington.....	L. Goldman
	Captain F. Liccardi.....	Washington.....	B. Glickman
	Captain F. Liccardi.....	Washington.....	W. Cohen
	Captain F. Liccardi.....	Washington.....	Sam Wexler
	Captain F. Liccardi.....	Washington.....	H. Lewis
	E. F. Dunn.....	Washington.....	Alex Munn
	Anthony Liccardi, Aux.....	Washington.....	Herman Stomfield
	Anthony Liccardi, Aux.....	Washington.....	H. Amatis
	Anthony Liccardi, Aux.....	Washington.....	Louis Sulkis
	Anthony Liccardi, Aux.....	Washington.....	Sam Goldberg
	Anthony Liccardi, Aux.....	Washington.....	Louis Kaplan
	Anthony Liccardi, Aux.....	Washington.....	Elizabeth Kanse
	Anthony Liccardi, Aux.....	Washington.....	S. Silverstein
	Anthony Liccardi, Aux.....	Washington.....	Mr. Wientraub
	Anthony Liccardi, Aux.....	Washington.....	Henry Livensky
	9. Captain F. Liccardi.....	Washington.....	Rose Greenberg
	Captain F. Liccardi.....	Washington.....	Louis Karutchie
	Captain F. Liccardi.....	Washington.....	Samuel Epstein
	Captain F. Liccardi.....	Washington.....	Isidore Reimer
	Captain F. Liccardi.....	Washington.....	Leo Levine
	Captain F. Liccardi.....	Washington.....	Raphael Kushner
	Captain F. Liccardi.....	Washington.....	Anna Stein
	Captain F. Liccardi.....	Washington.....	Abe Goldman
	Anthony Liccardi.....	Washington.....	Isidore Rothenberg
	Anthony Liccardi.....	Washington.....	S. Bild
	Anthony Liccardi.....	Washington.....	Philip Interfet
	Anthony Liccardi.....	Washington.....	Dora Miletein
	Anthony Liccardi.....	Washington.....	I. Kienghoft

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 10.	Anthony Liccardi.....	Washington.....	Harry Sachawitz
	Anthony Liccardi.....	Washington.....	Charles Mutler
	Anthony Liccardi.....	Washington.....	Benj. Gerson
	Anthony Liccardi.....	Washington.....	Sam Nakowsky
	Anthony Liccardi.....	Washington.....	Mr. Spektor
	Sr. Lieut. Dobbin.....	Washington.....	John Poll
	Sr. Lieut. Dobbin.....	Washington.....	Henry Livenaky
	Sr. Lieut. Dobbin.....	Washington.....	Charles Letelman
	Anthony Liccardi Aux.....	Washington.....	A. Siegel
	Anthony Liccardi Aux.....	Washington.....	Sam Schatzkin
	Anthony Liccardi Aux.....	Washington.....	John Lieser
	Anthony Liccardi Aux.....	Washington.....	Miss F. Siegel
	Anthony Liccardi Aux.....	Washington.....	M. Stienfeld
	Anthony Liccardi Aux.....	Washington.....	Joseph Dale
	Anthony Liccardi Aux.....	Washington.....	J. Steinfeld
	Surg. Mate O'Neil.....	Washington.....	Ray Wandell
	Surg. Mate O'Neil.....	Washington.....	Herman Simon
	Surg. Mate O'Neil.....	Washington.....	Ruben Cohen
	Surg. Mate O'Neil.....	Washington.....	Abe Sherdrom
	Surg. Mate O'Neil.....	Washington.....	Max Kirschner
	Surg. Mate O'Neil.....	Washington.....	J. Wenster
	Surg. Mate O'Neil.....	Washington.....	Mary Harrison
	Capt. E. Dunn.....	Washington.....	John Samson
11.	Surg. Mate O'Neil.....	Washington.....	Aaron Rosen
	Surg. Mate O'Neil.....	Washington.....	E. Powell
	Surg. Mate O'Neil.....	Washington.....	M. Zimberg
	Surg. Mate O'Neil.....	Washington.....	Sam Kramer
	Surg. Mate O'Neil.....	Washington.....	G. Hermann
	Surg. Mate O'Neil.....	Washington.....	D. Purvin
	Surg. Mate O'Neil.....	Washington.....	Mollie Willner
	Surg. Mate O'Neil.....	Washington.....	Philip Burstein
	Surg. Mate O'Neil.....	Washington.....	Miss Kaiser
	Sr. Lieut. Dobbin.....	Washington.....	M. Gitkin
	Sr. Lieut. Dobbin.....	Washington.....	J. C. Curran
	Sr. Lieut. Dobbin.....	Washington.....	Benj. Goldfarb
	Sr. Lieut. Dobbin.....	Washington.....	H. Cohen
	Sr. Lieut. Dobbin.....	Washington.....	Beatrice Bernstein
	Sr. Lieut. Dobbin.....	Washington.....	Louis Ellis
	Sr. Lieut. Dobbin.....	Washington.....	Mollie Cohen
	Sr. Lieut. Dobbin.....	Washington.....	Jack Trefer
	Sr. Lieut. Dobbin.....	Washington.....	Ed. Glaserman
	Sr. Lieut. Dobbin.....	Washington.....	Benj. Koldvin
	Sr. Lieut. Dobbin.....	Washington.....	M. Cohen
	Capt. F. Liccardi.....	Washington.....	David Kosenbloom
	Capt. F. Liccardi.....	Washington.....	Sam Stein
12.	Surfman Oliver.....	Washington.....	Joe Brown
	Surg. Mate O'Neil.....	Washington.....	Helen Lewtheaune
	Surg. Mate O'Neil.....	Washington.....	Rose Appell
	Surg. Mate O'Neil.....	Washington.....	S. Zwell
	Surg. Mate O'Neil.....	Washington.....	Mary Brand
	Surg. Mate O'Neil.....	Washington.....	Hyman Rauch
	Surg. Mate O'Neil.....	Washington.....	P. Krane
	Surg. Mate O'Neil.....	Washington.....	Herman Cohen
	Surg. Mate O'Neil.....	Washington.....	Julius Feingold
	Surg. Mate O'Neil.....	Washington.....	Morgan Rosen
	Surg. Mate O'Neil.....	Washington.....	John Motherfer
	Surg. Mate O'Neil.....	Washington.....	Moe Morrison
	Surg. Mate O'Neil.....	Washington.....	Gabriel Gold
	Surg. Mate O'Neil.....	Washington.....	Louis Kaplan
	Surg. Mate O'Neil.....	Washington.....	Wm. Iverdorn

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
Aug. 12.	Surg. Mate O'Neil.....	Washington.....	Jack Steam
	Surg. Mate O'Neil.....	Washington.....	Morris Rosenberg
	Surg. Mate O'Neil.....	Washington.....	Harry Goldberg
	Surg. Mate O'Neil.....	Washington.....	Max Balles
	Surg. Mate O'Neil.....	Washington.....	Jacob Rosenberg
	Surg. Mate O'Neil.....	Washington.....	S. Lerbowitz
	Surg. Mate O'Neil.....	Washington.....	H. Wisberg
	Surg. Mate O'Neil.....	Washington.....	A. Zakim
	Surg. Mate O'Neil.....	Washington.....	Dora Meldstern
	Sid Nussbaum.....	Washington.....	Lecan Ipenstein
	Sid Nussbaum.....	Washington.....	Chas. Zager
	Sid Nussbaum.....	Washington.....	Chas. Russo
	Anthony Liccardi Aux.....	Washington.....	R. Bavaia
	Anthony Liccardi Aux.....	Washington.....	Max Fogel
	Anthony Liccardi Aux.....	Washington.....	S. Pransky
	Anthony Liccardi Aux.....	Washington.....	Harry Marasquire
	Anthony Liccardi Aux.....	Washington.....	Bella Beinman
	Surfman Benj. Goldfarb.....	Washington.....	Ben. Goldfarb
	Capt. F. Liccardi.....	Washington.....	E. Steapanaki
	Capt. F. Liccardi.....	Washington.....	Austin Boyle
	Capt. F. Liccardi.....	Washington.....	Joe Weinstein
	Capt. F. Liccardi.....	Washington.....	Philip Ginsberg
	Capt. F. Liccardi.....	Washington.....	A. Restreri
	Sr. Lieut. Dobbin.....	Washington.....	May Kaufman
	Sr. Lieut. Dobbin.....	Washington.....	Gus Menitoff
	Sr. Lieut. Dobbin.....	Washington.....	William Sopain
	Sr. Lieut. Dobbin.....	Washington.....	Herman Hordes
	Sr. Lieut. Dobbin.....	Washington.....	Max Cohen
	Sr. Lieut. Dobbin.....	Washington.....	Morris Malowitz
	Sr. Lieut. Dobbin.....	Washington.....	T. Curtis
	Sr. Lieut. Dobbin.....	Washington.....	Fannie Champagne
	Sr. Lieut. Dobbin.....	Washington.....	Sam Gats
	Sr. Lieut. Dobbin.....	Washington.....	Sam Markowitz
	Sr. Lieut. Dobbin.....	Washington.....	Sam Farrell
	Sr. Lieut. Dobbin.....	Washington.....	Albert Levy
	Sr. Lieut. Dobbin.....	Washington.....	S. Krevits
	Sr. Lieut. Dobbin.....	Washington.....	G. S. ikowitz
	Sr. Lieut. Dobbin.....	Washington.....	Irving Goldstein
	Sr. Lieut. Dobbin.....	Washington.....	Mr. Egert
13.	Anthony Liccardi Aux.....	Washington.....	Nick Forst
	Anthony Liccardi Aux.....	Washington.....	F. Kistanbaum
	Anthony Liccardi Aux.....	Washington.....	S. Kulfe
	Anthony Liccardi Aux.....	Washington.....	S. Walter
	Anthony Liccardi Aux.....	Washington.....	J. Schey
	Anthony Liccardi Aux.....	Washington.....	F. Taylor
	Anthony Liccardi Aux.....	Washington.....	J. Schlman
	Anthony Liccardi Aux.....	Washington.....	L. Berman
	Captain F. Liccardi.....	Washington.....	Pochintala
	Captain F. Liccardi.....	Washington.....	Chas. Sobel
	Captain F. Liccardi.....	Washington.....	Joseph Rubin
	Captain F. Liccardi.....	Washington.....	Jean Shapero
	Surfman E. Cross.....	Washington.....	Mrs. F. Genos
14.	Captain F. Liccardi.....	Washington.....	J. Brown
	Captain F. Liccardi.....	Washington.....	S. Berman
	Captain F. Liccardi.....	Washington.....	H. Diamond
	Captain F. Liccardi.....	Washington.....	Stella Tabyan
	Captain F. Liccardi.....	Washington.....	Anna Keuberofaky
	Captain F. Liccardi.....	Washington.....	Joe Seigelman
	Captain F. Liccardi.....	Washington.....	E. Goldberg
	Captain F. Liccardi.....	Washington.....	Benny Parnow

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Aug. 14.	Captain F. Liccardi.....	Washington.....	A. Banks
	Surfman Benj. Goldfarb.....	Washington.....	Benj. Goldfarb
15.	Captain F. Liccardi.....	Washington.....	Joe Goldstein
	Captain F. Liccardi.....	Washington.....	I ouis Bland
	Captain F. Liccardi.....	Washington.....	Mr. Rubin
	Captain F. Liccardi.....	Washington.....	Isidor Goldstin
	Captain F. Liccardi.....	Washington.....	H. Frankie
	Captain F. Liccardi.....	Washington.....	Mr. Harrison
	Captain F. Liccardi.....	Washington.....	Harry Malaga
	Captain F. Liccardi.....	Washington.....	Benj. Goldfarb
	Captain F. Liccardi.....	Washington.....	Sam Diamond
	Captain F. Liccardi.....	Washington.....	Mr. Panker
	Captain F. Liccardi.....	Washington.....	B. Frieseler
	Captain E. F. Dunn.....	Washington.....	Willie Flood
	Captain E. F. Dunn.....	Washington.....	Joseph Scalia
	Captain E. F. Dunn.....	Washington.....	E. Haran
16.	Captain F. Liccardi.....	Washington.....	Mr. Hrattnor
	Captain F. Liccardi.....	Washington.....	H. Elinaky
	Captain F. Liccardi.....	Washington.....	S. Seelo
	Captain F. Liccardi.....	Washington.....	K. Platave
	Captain F. Liccardi.....	Washington.....	Mr. Goldberg
	Captain F. Liccardi.....	Washington.....	Neda Lafa
	Captain F. Liccardi.....	Washington.....	Leon Ruby
	Captain F. Liccardi.....	Washington.....	Sam Witt
	Captain F. Liccardi.....	Washington.....	Joe Klein
	Captain F. Liccardi.....	Washington.....	H. Cobne
	Captain F. Liccardi.....	Washington.....	A. Weinstock
	Captain F. Liccardi.....	Washington.....	H. Smith
	Captain F. Liccardi.....	Washington.....	Herman Diamond
	Captain F. Liccardi.....	Washington.....	Morris Kopf
	Captain F. Liccardi.....	Washington.....	Sidney Chasmin
	Captain F. Liccardi.....	Washington.....	Kitty Mettler
	Captain F. Liccardi.....	Washington.....	R. Bailin
	Captain F. Liccardi.....	Washington.....	Mary Klein
	Captain F. Liccardi.....	Washington.....	Joe McCarty
	Captain F. Liccardi.....	Washington.....	Herschel Suckelofsky
	Captain F. Liccardi.....	Washington.....	A. Carbone
	Anthony Liccardi Aux.....	Washington.....	Marian Flanelan
	Anthony Liccardi Aux.....	Washington.....	Harry Slepian
	Captain E. Dunn.....	Washington.....	Adam Ernen
	Captain E. Dunn.....	Washington.....	William Ernen
17.	Captain F. Liccardi.....	Washington.....	A. Burchman
	Captain F. Liccardi.....	Washington.....	J. Saper
	Captain F. Liccardi.....	Washington.....	L. Nicolis
	Captain F. Liccardi.....	Washington.....	W. Solo
	Captain F. Liccardi.....	Washington.....	J. Wieman
	Captain F. Liccardi.....	Washington.....	Geo. Sher
	Captain F. Liccardi.....	Washington.....	Mr. Schwartz
	Captain F. Liccardi.....	Washington.....	Mr. Isidore
	Captain F. Liccardi.....	Washington.....	Mr. Nathan
	Captain F. Liccardi.....	Washington.....	Mr. Goldfarb
	Captain F. Liccardi.....	Washington.....	J. Cunningham
	Captain F. Liccardi.....	Washington.....	A. Heiner
	Anthony Liccardi, Aux.....	Washington.....	F. Santagata
	Anthony Liccardi, Aux.....	Washington.....	Mr. Ruben
	Anthony Liccardi, Aux.....	Washington.....	Louis Parkansky
	Anthony Liccardi, Aux.....	Washington.....	Sarah Javelinsky
	Captain E. F. Dunn.....	Washington.....	Wm. McCoy
	Captain E. F. Dunn.....	Washington.....	J. F. Jones
18.	Anthony Liccardi.....	Washington.....	Morris Sunshine

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 63

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 18.	Anthony Liccardi.....	Washington.....	M. Rosenberg
	Anthony Liccardi.....	Washington.....	J. Cohen
	Anthony Liccardi.....	Washington.....	Miss Barry
	Capt. Liccardi.....	Washington.....	Abe Darnapel
	Capt. Liccardi.....	Washington.....	J. Dutch
	Capt. Liccardi.....	Washington.....	Max Kirshner
	Capt. Liccardi.....	Washington.....	Cono Bonabino
	Capt. Liccardi.....	Washington.....	Murray Smith
	Capt. Liccardi.....	Washington.....	Louis Silverstein
	Capt. Liccardi.....	Washington.....	J. Saunders
	Capt. Liccardi.....	Washington.....	Aron Leneky
	Capt. Liccardi.....	Washington.....	W. Borick
	Surfman Benj. Goldfarb.....	Washington.....	J. Wiedman
	Surfman Oliver.....	Washington.....	W. Oliver
	Anthony Liccardi, Aux.....	Washington.....	L. Beach
	Anthony Liccardi, Aux.....	Washington.....	H. Shapiro
	Anthony Liccardi, Aux.....	Washington.....	F. Farra
	Anthony Liccardi, Aux.....	Washington.....	Isadore Ruriber
	Capt. F. Liccardi.....	Washington.....	Vincent Lombardi
	Capt. F. Liccardi.....	Washington.....	D. Tuhmiero
	Capt. F. Liccardi.....	Washington.....	A. Prata
	Capt. F. Liccardi.....	Washington.....	Louis Abrahams
	Capt. F. Liccardi.....	Washington.....	Philip Stock
	Capt. F. Liccardi.....	Washington.....	F. Stein
	Capt. F. Liccardi.....	Washington.....	A. Kalkor
	Capt. F. Liccardi.....	Washington.....	I. Becker
	Capt. F. Liccardi.....	Washington.....	C. Malotaky
	Capt. F. Liccardi.....	Washington.....	A. Stange
	Capt. F. Liccardi.....	Washington.....	R. Berman
	Capt. F. Liccardi.....	Washington.....	Sam Silverfield
	Capt. F. Liccardi.....	Washington.....	Sam Brider
	Capt. F. Liccardi.....	Washington.....	J. Math
	Capt. F. Liccardi.....	Washington.....	Harry Hoffman
	Capt. F. Liccardi.....	Washington.....	Irving Teller
	Capt. F. Liccardi.....	Washington.....	H. Miller
	Capt. F. Liccardi.....	Washington.....	Sadie Kitais
	Capt. F. Liccardi.....	Washington.....	H. Schindler
	Capt. F. Liccardi.....	Washington.....	L. Zimmerman
	Capt. F. Liccardi.....	Washington.....	Sam Levy
	Capt. F. Liccardi.....	Washington.....	Harry Walkow
	Capt. F. Liccardi.....	Washington.....	Jack Schwarts
	Capt. F. Liccardi.....	Washington.....	Elmore Buerle
	Capt. F. Liccardi.....	Washington.....	Isie Absuge
	Capt. F. Liccardi.....	Washington.....	M. Kaston
	Capt. F. Liccardi.....	Washington.....	Gabriel Reiter
	Capt. F. Liccardi.....	Washington.....	Irving Buskin
	Capt. F. Liccardi.....	Washington.....	Ed. Defoe
	Capt. F. Liccardi.....	Washington.....	R. Poddheiser
	Capt. F. Liccardi.....	Washington.....	Benj. Zurin
	Capt. F. Liccardi.....	Washington.....	J. Brown
	Capt. F. Liccardi.....	Washington.....	P. Miller
	Capt. F. Liccardi.....	Washington.....	Abe Cohen
	Capt. F. Liccardi.....	Washington.....	Freda Noble
	Capt. F. Liccardi.....	Washington.....	Philip Brimko
	Capt. F. Liccardi.....	Washington.....	Aaron Rosen
	Capt. F. Liccardi.....	Washington.....	A. Gabriel
	Capt. F. Liccardi.....	Washington.....	Jack Holzman
	Capt. F. Liccardi.....	Washington.....	Ernest Arnold
	Capt. F. Liccardi.....	Washington.....	Aron Prince
	Capt. F. Liccardi.....	Washington.....	H. Fouker

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Aug. 18.	Capt. F. Liccardi.....	Washington.....	Abe Herman
	Capt. F. Liccardi.....	Washington.....	I. Schreckinger
	Capt. F. Liccardi.....	Washington.....	Abraham Margolis
	Capt. F. Liccardi.....	Washington.....	Joe Silberg
	Capt. F. Liccardi.....	Washington.....	Ben Rab
	Capt. F. Liccardi.....	Washington.....	Anna Goldstin
	Capt. F. Liccardi.....	Washington.....	D. Hoffman
	Capt. F. Liccardi.....	Washington.....	H. Berniholts
	Capt. F. Liccardi.....	Washington.....	Ray Kappler
19.	Capt. F. Liccardi.....	Washington.....	B. Berger
	Capt. F. Liccardi.....	Washington.....	Joe Marcus
	Capt. F. Liccardi.....	Washington.....	I. Goldberg
	Capt. F. Liccardi.....	Washington.....	J. Harris
	Capt. F. Liccardi.....	Washington.....	Irving Stein
	Capt. F. Liccardi.....	Washington.....	Walter Kelin
	Capt. F. Liccardi.....	Washington.....	Mr. Serahon
	Capt. F. Liccardi.....	Washington.....	Edw. Skinner
	Capt. F. Liccardi.....	Washington.....	Harry Rock
	Capt. F. Liccardi.....	Washington.....	Max Littenberg
	Capt. F. Liccardi.....	Washington.....	Jacob Wald
	Capt. F. Liccardi.....	Washington.....	Morris Cohen
	Capt. F. Liccardi.....	Washington.....	S. Freedman
	Capt. F. Liccardi.....	Washington.....	Rose Doveslits
	Capt. F. Liccardi.....	Washington.....	Etia Kenikuff
	Capt. F. Liccardi.....	Washington.....	M. Halperia
	Capt. F. Liccardi.....	Washington.....	Mr. Maltmen
	Capt. F. Liccardi.....	Washington.....	Mr. A. Paul
20.	Capt. F. Liccardi.....	Washington.....	I. Klein
	Capt. F. Liccardi.....	Washington.....	S. Goldstin
	Capt. F. Liccardi.....	Washington.....	J. Kalf
	Capt. F. Liccardi.....	Washington.....	K. Fairrester
	Capt. F. Liccardi.....	Washington.....	Mr. Levine
	Capt. F. Liccardi.....	Washington.....	L. Cooper
	Capt. F. Liccardi.....	Washington.....	Isidore Greenspan
	Capt. F. Liccardi.....	Washington.....	Sam Cohen
	Capt. F. Liccardi.....	Washington.....	Hanna Berman
	Capt. F. Liccardi.....	Washington.....	Eether Balkowits
	Capt. F. Liccardi.....	Washington.....	Leo Kleinman
	Capt. F. Liccardi.....	Washington.....	Sol Bulliant
	Capt. F. Liccardi.....	Washington.....	Geo. Kischnor
	Capt. F. Liccardi.....	Washington.....	Anna Stein
	Capt. F. Liccardi.....	Washington.....	F. Krucht
	Capt. F. Liccardi.....	Washington.....	Harry Averch
	Capt. F. Liccardi.....	Washington.....	Israel Harowits
	Anthony Liccardi, Aux.....	Washington.....	J. Mullter
	Anthony Liccardi, Aux.....	Washington.....	J. Schwartz
21.	Capt. F. Liccardi.....	Washington.....	O. Smith
	Capt. F. Liccardi.....	Washington.....	M. Kaplan
	Capt. F. Liccardi.....	Washington.....	Mr. Bergen
	Capt. F. Liccardi.....	Washington.....	A. Schiller
	Capt. F. Liccardi.....	Washington.....	J. Schwartz
	Capt. F. Liccardi.....	Washington.....	J. Pecher
	Capt. F. Liccardi.....	Washington.....	J. Lois
	Capt. F. Liccardi.....	Washington.....	G. Santagata
	Capt. E. F. Dunn.....	Washington.....	W. Tobin
	Capt. E. F. Dunn.....	Washington.....	C. Mahoney
	Capt. E. F. Dunn.....	Washington.....	Henry Roth
	Capt. E. F. Dunn.....	Washington.....	A. Schoen
	Capt. E. F. Dunn.....	Washington.....	Jos. Scalia
22.	Capt. F. Liccardi.....	Washington.....	S. Shaw

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 65

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 22.	Capt. F. Liccardi.....	Washington.....	Mr. Grossberg
23.	Capt. F. Liccardi.....	Washington.....	Mr. Gold
	Capt. F. Liccardi.....	Washington.....	Sol Epstein
	Capt. F. Liccardi.....	Washington.....	Nathan Nurick
	Sr. Lieut. Dobbin.....	Washington.....	Mrs. Don Zirin
24.	Capt. F. Liccardi.....	Washington.....	Joseph Chant
	Capt. F. Liccardi.....	Washington.....	Isidore Wiedman
	Capt. F. Liccardi.....	Washington.....	H. Wolfe
	Capt. F. Liccardi.....	Washington.....	Mr. Smith
	Capt. F. Liccardi.....	Washington.....	Joseph Dutch
	Capt. F. Liccardi.....	Washington.....	S. Blotsky
	Capt. F. Liccardi.....	Washington.....	Mr. Epstein
	Surg. Mate O'Neil.....	Washington.....	Geo. Smith
	Sr. Lieut. Dobbin.....	Washington.....	Louis Shambrown
25.	Surfman Preece.....	Washington.....	Leo Goldberg
	Surfman Preece.....	Washington.....	Daniel Charcy
	Surfman Preece.....	Washington.....	Jack Blum
	Capt. F. Liccardi.....	Washington.....	Abe Darnaple
	Sr. Lieut. Dobbin.....	Washington.....	David Rase
	Asst. Surg. Mate Nusbaum.....	Washington.....	Jack Joehnowits
	Surg. Mate O'Neil.....	Washington.....	Joe Golizia
	Surfman E. Cross.....	Washington.....	D. Withus
26.	Capt. F. Liccardi.....	Washington.....	J. Kleeman
	Capt. F. Liccardi.....	Washington.....	Samuel Saffer
	Capt. F. Liccardi.....	Washington.....	Abe Epstein
	Capt. F. Liccardi.....	Washington.....	Mr. Weedman
	Capt. F. Liccardi.....	Washington.....	Sam Epstein
	Capt. F. Liccardi.....	Washington.....	S. Schwartz
	Capt. F. Liccardi.....	Washington.....	C. Venuti
	Capt. F. Liccardi.....	Washington.....	Sam Paul
	Captain F. Liccardi.....	Washington.....	L. Shambrown
	Captain F. Liccardi.....	Washington.....	Ruben Kelman
	Captain F. Liccardi.....	Washington.....	Isidore Wiedman
	Captain F. Liccardi.....	Washington.....	Beatrice Oransky
	Captain F. Liccardi.....	Washington.....	Meyer Poeter
	Captain F. Liccardi.....	Washington.....	Morris Berger
	Sr. Lieut. Dobbin.....	Washington.....	Jack Schwartz
	Sr. Lieut. Dobbin.....	Washington.....	Abe Furman
	Sr. Lieut. Dobbin.....	Washington.....	Louis Jarris
	Sr. Lieut. Dobbin.....	Washington.....	Joseph Finkelstein
	Sr. Lieut. Dobbin.....	Washington.....	J. Schwartz
	Sr. Lieut. Dobbin.....	Washington.....	D. Rosenberg
	Anthony Liccardi.....	Washington.....	F. La Scalea
	Anthony Liccardi.....	Washington.....	B. Hassman
	Surfman Oliver.....	Washington.....	Jacob Loft
27.	Capt. F. Liccardi.....	Washington.....	F. Joseph
	Capt. F. Liccardi.....	Washington.....	Mr. Goldfarb
	Capt. F. Liccardi.....	Washington.....	E. Jackson
	Capt. F. Liccardi.....	Washington.....	Miss Clark
	Capt. F. Liccardi.....	Washington.....	Tillie Salinger
	Capt. F. Liccardi.....	Washington.....	F. L. Buck
	Capt. F. Liccardi.....	Washington.....	J. Solo
	Anthony Liccardi Aux.....	Washington.....	L. Heiner
	Anthony Liccardi Aux.....	Washington.....	D. Stengarten
	Sr. Lieut. Dobbin.....	Washington.....	L. Finkelstein
	Sr. Lieut. Dobbin.....	Washington.....	F. L. Buck
	Surfman Oliver.....	Washington.....	C. Jackson
28.	Capt. F. Liccardi.....	Washington.....	Miss Van Secler
	Capt. F. Liccardi.....	Washington.....	A. Becker
	Anthony Liccardi.....	Washington.....	Henry Steinberg

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	29. Anthony Liccardi.....	Washington.....	G. Traub
	Anthony Liccardi.....	Washington.....	Mr. Baber
	30. Capt. F. Liccardi.....	Washington.....	W. Selinger
	Capt. F. Liccardi.....	Washington.....	C. Hrattnr
	Capt. F. Liccardi.....	Washington.....	W. Fox
	Capt. F. Liccardi.....	Washington.....	R. Wile
	Anthony Liccardi.....	Washington.....	B. Wize
	31. Capt. F. Liccardi.....	Washington.....	S. Schwartz
	Capt. F. Liccardi.....	Washington.....	A. Bank
	Capt. F. Liccardi.....	Washington.....	Anna Finkelstein
Sept.	Capt. F. Liccardi.....	Washington.....	J. Cox
	1. Capt. F. Liccardi.....	Washington.....	N. Furnam
	Capt. F. Liccardi.....	Washington.....	C. Rusore
	Surfman E. Cross.....	Washington.....	Mr. Borich
	2. Capt. F. Liccardi.....	Washington.....	Meyer Poster
	Capt. F. Liccardi.....	Washington.....	Miss Ponce
	Capt. F. Liccardi.....	Washington.....	Chas. Trattner
	Capt. F. Liccardi.....	Washington.....	P. Burchman
	Capt. F. Liccardi.....	Washington.....	Miss Fox
	Capt. F. Liccardi.....	Washington.....	Mr. Zoldin
	3. Capt. F. Liccardi.....	Washington.....	J. Brown
	Capt. F. Liccardi.....	Washington.....	H. Sternberg
	Capt. F. Liccardi.....	Washington.....	R. Schwab
	Capt. F. Liccardi.....	Washington.....	Edward Zoldin
	Capt. F. Liccardi.....	Washington.....	Jay Goldberg
	Capt. F. Liccardi.....	Washington.....	R. Schwab
	Capt. F. Liccardi.....	Washington.....	Nathan Furnam
	Capt. F. Liccardi.....	Washington.....	H. Wolfe
	Capt. F. Liccardi.....	Washington.....	Harry Elinaky
	Capt. F. Liccardi.....	Washington.....	Berkee Maltman
	Capt. F. Liccardi.....	Washington.....	Louis Blotaky
	Capt. F. Liccardi.....	Washington.....	F. Sternberg
	Capt. F. Liccardi.....	Washington.....	Jack Schwartz
	Capt. F. Liccardi.....	Washington.....	Jack Kaplan
	Capt. F. Liccardi.....	Washington.....	Mr. Hrattnr
	Anthony Liccardi.....	Washington.....	Morris Risin
	Anthony Liccardi.....	Washington.....	H. Rabinowits
	Anthony Liccardi.....	Washington.....	Sam Dollinger
	Anthony Liccardi.....	Washington.....	Fred Cunningham
	Anthony Liccardi.....	Washington.....	Joe Weiss
	Anthony Liccardi.....	Washington.....	Charles Schiller
	Sr. Lieut. Dobbin.....	Washington.....	John Thorn
	4. Capt. F. Liccardi.....	Washington.....	K. Laterna
	5. Capt. F. Liccardi.....	Washington.....	J. Gatzara
	6. Capt. F. Liccardi.....	Washington.....	J. Schwartz
	8. Capt. F. Liccardi.....	Washington.....	E. Edward
	17. Capt. F. Liccardi.....	Washington.....	L. Jack
May	25. Jr. Lieut. H. Wharmby.....	Thalls.....	Edna Woolley
	28. Jr. Lieut. H. Wharmby.....	Thalls.....	Joseph Hurley
June	9. Boatswain B. Throckmorton...	Thalls.....	C. Erickson
	10. J. F. Lipton.....	Thalls.....	Frank Roth
	19. Jr. Lieut. H. Wharmby.....	Thalls.....	Geo. Karras
	23. Boatswain B. Throckmorton...	Thalls.....	E. Weensbaum
	23. Capt. Guern.....	Thalls.....	J. D. Colson
	24. Capt. Guern.....	Thalls.....	James Mirely
	Capt. Guern.....	Thalls.....	Geo. Hambel
	25. Surg. Mate A. Baiker.....	Thalls.....	Arnold Van Schaick
July	George Hackenberger.....	Thalls.....	Walter Morgan
	4. Act. Sr. Lieut. H. Wharmby...	Thalls.....	Mrs. Keenan
	7. Act. Sr. Lieut. H. Wharmby...	Thalls.....	J. Waters

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	8. Capt. A. Guerin.....	Thalls.....	J. C. Balcom
	22. Surg. Mate A. Barker.....	Thalls.....	M. O'Brien
	Surg. Mate A. Barker.....	Thalls.....	William Jones
	Jr. Lieut. Harry Dodge.....	Thalls.....	W. A. Troutman
	Capt. A. Guerin.....	Thalls.....	Edward Bly
Aug.	29. Sr. Lieut. H. Wharmby.....	Thalls.....	Russell Porter
	1. Surfman Rouse.....	Thalls.....	Sadie Salomi
	Sr. Lieut. H. Wharmby.....	Thalls.....	Joe Kerry
	5. Surfman G. E. Glenn.....	Thalls.....	Max Hornig
	Surfman G. E. Glenn.....	Thalls.....	William Mahoney
	Surfman G. E. Glenn.....	Thalls.....	A. Silberlicht
	7. Sr. Lieut. H. Wharmby.....	Thalls.....	Alfred Dowd
	8. Sr. Lieut. H. Wharmby.....	Thalls.....	Harold Rouse
Sept. Jan.	10. Surfman Jas. Lupton.....	Thalls.....	E. Bakewell
	19. Capt. A. Guerin.....	Thalls.....	J. F. Muckewits
	3. Surfman Jas. Lupton.....	Thalls.....	M. Carroll
	1. Commodore J. Herold.....	Sheepshead Bay.....	W. Calhoun
	Commodore J. Herold.....	Sheepshead Bay.....	A. Barley
	2. Commodore J. Herold.....	Sheepshead Bay.....	May Bonny
	3. Commodore J. Herold.....	Sheepshead Bay.....	Frank Turner
	Commodore J. Herold.....	Sheepshead Bay.....	Anna Dunn
	4. Commodore J. Herold.....	Sheepshead Bay.....	May Burns
	Commodore J. Herold.....	Sheepshead Bay.....	Frank Tuner
	Commodore J. Herold.....	Sheepshead Bay.....	Miss I. Macwell
	5. Commodore J. Herold.....	Sheepshead Bay.....	Mrs. G. Gragmanello
	6. Commodore J. Herold.....	Sheepshead Bay.....	S. Henn
	Commodore J. Herold.....	Sheepshead Bay.....	John Halsey
	7. Commodore J. Herold.....	Sheepshead Bay.....	M. Funh
	8. Commodore J. Herold.....	Sheepshead Bay.....	M. Galonsky
	10. Commodore J. Herold.....	Sheepshead Bay.....	M. Herbert
	Commodore J. Herold.....	Sheepshead Bay.....	Grace McAllen
	11. Commodore J. Herold.....	Sheepshead Bay.....	William Glennon
Mar. June	12. Commodore J. Herold.....	Sheepshead Bay.....	Han O'Rourke
	Commodore J. Herold.....	Sheepshead Bay.....	Master Herold
	13. Commodore J. Herold.....	Sheepshead Bay.....	Emma Nelson
	Commodore J. Herold.....	Sheepshead Bay.....	John Seamen
	14. Commodore J. Herold.....	Sheepshead Bay.....	Jessie Smith
	20. Capt. Connor.....	Sheepshead Bay.....	A. Peterson
	3. Sr. Lieut. Acker and Surg. Mate Harris.....	Sheepshead Bay.....	Tony Licolo
	5. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	William Seuter
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Lewis Gonzales
	9. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Salvatore Riaputo
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Paul Savin
	13. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Joseph Smendinger
	15. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Joe Connelly
	17. Surfman E. Stymmer.....	Sheepshead Bay.....	D. Whitter
	19. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	John Roberts
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Thomas O'Keefe
	20. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Jack Brown
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Andrew Scheller
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Thomas Burns
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Edward Regan
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	S. H. Alcott
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	L. Carr
	22. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	E. Weinnann
	24. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Ed. Mullanney
	Surg. Mate Ed. Guillet.....	Sheep head Bay.....	Thomas Bennett
	Surfman Carney.....	Sheepshead Bay.....	Roger Zingeoman
	Surfman Carney.....	Sheepshead Bay.....	Jacob Kaufman

Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	21. Surfman Carney.....	Sheepshead Bay.....	John Murphy
	Surg. Mate Harris.....	Sheepshead Bay.....	Arthur Rouseman
	Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Alfred Milliken
	25. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	Philip Murphy
July	Capt. Connor.....	Sheepshead Bay.....	George Inselmann
	1. Capt. Connor.....	Sheepshead Bay.....	Ben O'Connor
	Capt. Connor.....	Sheepshead Bay.....	V. McKeon
	Surfman Carney and S. Mate Harris.....	Sheepshead Bay.....	Harry Bradle
	Surg. Mate Guillet and Ed. Stymer.....	Sheepshead Bay.....	Hugo Roeber
	2. Capt. Connor.....	Sheepshead Bay.....	P. Carey
	8. Surg. Mate E. Guillet.....	Sheepshead Bay.....	A. Greenburg
	Surg. Mate E. Guillet.....	Sheepshead Bay.....	Albert Grodis
	Surg. Mate E. Guillet.....	Sheepshead Bay.....	Chas. Malenud
	Capt. Connor.....	Sheepshead Bay.....	G. Flennernat
	Capt. Connor.....	Sheepshead Bay.....	Wm. Trummer
	11. Surfman E. Stymer.....	Sheepshead Bay.....	E. Stevenson
	12. Capt. Connor.....	Sheepshead Bay.....	S. Kingo
	Surfman McNamara.....	Sheepshead Bay.....	Dominick Denetto
	13. Capt. Connor.....	Sheepshead Bay.....	R. Baird
	14. Capt. Connor.....	Sheepshead Bay.....	W. Chandler
	Capt. Connor.....	Sheepshead Bay.....	Rob. Trainor
	15. Surg. Mate Harris.....	Sheepshead Bay.....	Frank Dacler
	16. Surfman McNamara.....	Sheepshead Bay.....	Carl Bodick
	Capt. Connor.....	Sheepshead Bay.....	Walter McCurdy
	17. Jr. Lieut. J. Carney.....	Sheepshead Bay.....	Helen Smith
	Surfman K. Sloan.....	Sheepshead Bay.....	Geo. Kurg
	Jr. Lieut. Carney.....	Sheepshead Bay.....	Donald Smith
	18. Surg. Mate Harris.....	Sheepshead Bay.....	John Moody
	Surfman McNamara.....	Sheepshead Bay.....	Wm. King
	19. Boatswain E. Guillet.....	Sheepshead Bay.....	John McNamara
	Surg. Mate Harris.....	Sheepshead Bay.....	Kenneth Wynslow
	21. Capt. Connor.....	Sheepshead Bay.....	Wm. Meyers
	Jr. Lieut. Carney.....	Sheepshead Bay.....	R. A. Hubery
	Surg. Mate Harris.....	Sheepshead Bay.....	C. Lasser
	Surfman Siems.....	Sheepshead Bay.....	W. J. Schniyyer
	22. Surg. Mate Harris.....	Sheepshead Bay.....	Elsie Meyers
	Capt. Connor.....	Sheepshead Bay.....	James Danley
	Jr. Lieut. James Carney.....	Sheepshead Bay.....	R. C. Tollock
	Surg. Mate Harris.....	Sheepshead Bay.....	Louis Goodman
	Surfman C. Pearson.....	Sheepshead Bay.....	Bob Burke
	Surfman C. Pearson.....	Sheepshead Bay.....	Charlie Tuvan
	Surfman McNamara.....	Sheepshead Bay.....	Helen Boyer
	Surg. Mate Harris.....	Sheepshead Bay.....	C. Mason
	Surfman Pearson.....	Sheepshead Bay.....	R. Hubert
	23. Surfman McNamara.....	Sheepshead Bay.....	Nellie Elliott
	Surfman Pearson and Surg. Mate Harris.....	Sheepshead Bay.....	Geo. Bradley
	Boatswain Guillet and Jr. Lieut. Carney.....	Sheepshead Bay.....	Marlin Schmitt
	Surfman Siems.....	Sheepshead Bay.....	E. Degregorio
	Jr. Lieut. Carney.....	Sheepshead Bay.....	F. Troutman
	24. Surg. Mate Harris.....	Sheepshead Bay.....	Geo. Reid
	Surg. Mate Harris.....	Sheepshead Bay.....	J. Gablis
	26. Asst. Ed. Guillet.....	Sheepshead Bay.....	Albert Hall
	27. Boatswain Ed. Guillet.....	Sheepshead Bay.....	Marshall Shellen
	28. Jr. Lieut. Jas. Carney.....	Sheepshead Bay.....	David Stewart
	30. Jr. Lieut. Jas. Carney.....	Sheepshead Bay.....	Ed. Lasker
	31. Boatswain Ed. Guillet.....	Sheepshead Bay.....	Michael Castrataro

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
July 31.	Surfman Sloan.....	Sheepshead Bay.....	Domonick Jacaruso
	Surfman Acker.....	Sheepshead Bay.....	Sanford Stimen
Aug. 1.	Surfman Siems.....	Sheepshead Bay.....	H. Wolfson
	Jr. Lieut. Carney.....	Sheepshead Bay.....	Chas. McDougall
	Surfman Sloan.....	Sheepshead Bay.....	Ed. Hutchins
	Surfman Sloan.....	Sheepshead Bay.....	Fred Rabey
	Boatswain Ed. Guillet.....	Sheepshead Bay.....	Louis Contento
	2. Jr. Lieut. Carney.....	Sheepshead Bay.....	R. Richman
	Surfman Siems.....	Sheepshead Bay.....	Joseph Eherely
	3. Surg. Mate Harris.....	Sheepshead Bay.....	Harry Coplan
	Surg. Mate Harris.....	Sheepshead Bay.....	A. Moss
	4. Surfman C. Pearson.....	Sheepshead Bay.....	John Kigallean
	Le Roy De Mott.....	Sheepshead Bay.....	James Scrow
	Jr. Lieut. Carney.....	Sheepshead Bay.....	William Van Wickel
	Surfman Siems.....	Sheepshead Bay.....	M. Quinn
	Boatswain Ed. Guillet.....	Sheepshead Bay.....	John Patty
	5. Surfman McNamara.....	Sheepshead Bay.....	Francis Boss
	Surfman McNamara.....	Sheepshead Bay.....	Eugene Wodkot
	Surfman McNamara.....	Sheepshead Bay.....	Wm. Hurke
	Surfman McNamara.....	Sheepshead Bay.....	Doris Schmidt
	Surfman Pearson.....	Sheepshead Bay.....	Mrs. Tievan
	Surfman Pearson.....	Sheepshead Bay.....	Florence Boss
	6. Surfman McNamara.....	Sheepshead Bay.....	Max Dobron
	Surg. Mate Harris.....	Sheepshead Bay.....	D. B. Spiokmen
	Surg. Mate Harris.....	Sheepshead Bay.....	P. Halman
	Surg. Mate Harris.....	Sheepshead Bay.....	E. Anderson
	Capt. Connor.....	Sheepshead Bay.....	Joseph Colfero
	Connwain Scully.....	Sheepshead Bay.....	Arthur McCutcheon
	Surfman Teddy Acker.....	Sheepshead Bay.....	Frank Winham
	7. Capt. Connor.....	Sheepshead Bay.....	George Edwards
	Surfman McNamara.....	Sheepshead Bay.....	Walter Bowe
	Capt. Connor.....	Sheepshead Bay.....	Frank Myler
	9. Surfman Acker.....	Sheepshead Bay.....	Elmer Bakwell
	Surfman Acker.....	Sheepshead Bay.....	Carl Carlson
	Surfman Ericson.....	Sheepshead Bay.....	Fred Schmitt
	10. Surfman F. Acker.....	Sheepshead Bay.....	James Benison
	Surg. Mate Harris.....	Sheepshead Bay.....	W. White
	Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Joe Farrell
	11. Boatswain Ed. Guillet.....	Sheepshead Bay.....	Anna McKinnery
	Boatswain Ed. Guillet.....	Sheepshead Bay.....	Guy Culkford
	Surg. Mate Harris.....	Sheepshead Bay.....	J. Schavel
	Surg. Mate Harris.....	Sheepshead Bay.....	A. Doubleday
	12. Surg. Mate Harris.....	Sheepshead Bay.....	Harry Ford
	Capt. Connor.....	Sheepshead Bay.....	Jas. Swords
	Capt. Connor.....	Sheepshead Bay.....	Geo. Anderson
	Capt. Connor.....	Sheepshead Bay.....	Nat Rosenberg
	Capt. Connor and Jr. Lieut. Carney.....	Sheepshead Bay.....	Hugo Modon
	13. Capt. Connor.....	Sheepshead Bay.....	Geo. Goldman
	Surg. Mate Harris.....	Sheepshead Bay.....	James Piacenti
	14. Capt. Connor.....	Sheepshead Bay.....	Ben Wolf
	15. Capt. Connor.....	Sheepshead Bay.....	William Moore
	Capt. Connor.....	Sheepshead Bay.....	Helen Goodman
	18. Surfman Pearson.....	Sheepshead Bay.....	Charles Walters
	Capt. Connor.....	Sheepshead Bay.....	Geo. Anderson
	19. Capt. Scully Emergency Crew..	Sheepshead Bay.....	A. Bennett
	Capt. Scully.....	Sheepshead Bay.....	Kate Burg
	Surfman Pearson.....	Sheepshead Bay.....	Louis Goldberg
	Capt. Connor.....	Sheepshead Bay.....	Charles Grennant
	Capt. Connor.....	Sheepshead Bay.....	Joe Farrell

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	19. Capt. Scully.....	Sheepshead Bay.....	Ernest Meyer
	23. Capt. Connor.....	Sheepshead Bay.....	Michael Cacacry
	24. Capt. Connor.....	Sheepshead Bay.....	E. Keting
	25. Surg. Mate Harris.....	Sheepshead Bay.....	Ed. Shrubbs
	26. Surg. Mate Harris.....	Sheepshead Bay.....	Chas. Ost
	Surg. Mate Harris.....	Sheepshead Bay.....	D. Brown
	Surg. Mate Harris.....	Sheepshead Bay.....	J. Ouseford
	Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Jack Cunningham
	Jr. Lieut. Carney.....	Sheepshead Bay.....	Leo Cole
	29. Surfman L. De Mott.....	Sheepshead Bay.....	James Muller
	30. Jr. Lieut. Carney.....	Sheepshead Bay.....	Alfred Knecht
	31. Surfman Le Roy De Mott.....	Sheepshead Bay.....	Oscar Edwards
Sept.	3. Surfman Siems.....	Sheepshead Bay.....	Bernhard Barrmann
	Surfman Le Roy De Mott.....	Sheepshead Bay.....	Thomas Drysdale
	Surfman Siems.....	Sheepshead Bay.....	C. Thompson
	4. J. M. Nova, M. D.....	Sheepshead Bay.....	R. Comello
	6. Jr. Lieut. Carney.....	Sheepshead Bay.....	E. Kincher
March	25. Surfman John McCann.....	Dyker Beach.....	J. Weston
April	2. Capt. Chas. Schroder.....	Dyker Beach.....	Central Leonard
May	11. Surg. Mate P. H. Andreoli.....	Dyker Beach.....	Al. Smith
June	3. Surfman Madden.....	Dyker Beach.....	Miss May Sheahan
	17. Surfman Al Smith.....	Dyker Beach.....	Geo. Perry
	24. Surfman Madden.....	Dyker Beach.....	Mr. Hauck
July	1. Surfman Mathew Arena.....	Dyker Beach.....	Olaf Olsen
	2. Capt. Chas. Schoder.....	Dyker Beach.....	Wm. Donaldson
	22. Capt. Chas. Schoder.....	Dyker Beach.....	Goodwin Christensen
Sept.	3. Capt. Chas. Schoder.....	Dyker Beach.....	John Kennedon
May	8. Surg. Mate V. Collora.....	Sea Beach.....	D. Tulchinsky
June	13. Surg. Mate V. Collora.....	Sea Beach.....	William Wals
	15. Surg. Mate V. Collora.....	Sea Beach.....	Joe Susman
	18. Surg. Mate V. Collora.....	Sea Beach.....	Charles Sorypian
	20. Surg. Mate V. Collora.....	Sea Beach.....	Geo. Mayer
	21. Surg. Mate V. Collora.....	Sea Beach.....	Mrs. Fanny Riche
	22. Surg. Mate V. Collora.....	Sea Beach.....	Benny Bacon
	24. Capt. H. F. Emmen.....	Sea Beach.....	Carl Reshelhueber
	28. Surg. Mate V. Collora.....	Sea Beach.....	Miss Edith Sorenson
July	1. Surg. Mate V. Collora.....	Sea Beach.....	May Collora
	Surg. Mate V. Collora.....	Sea Beach.....	Marion Collora
	Surg. Mate V. Collora.....	Sea Beach.....	Charles Morbett
	Capt. Emmen.....	Sea Beach.....	Paul Sherein
	2. Surg. Mate V. Collora.....	Sea Beach.....	Charles Morbett
	Surg. Mate V. Collora.....	Sea Beach.....	Olive Dowling
	3. Surg. Mate V. Collora.....	Sea Beach.....	Dan Entelli
	4. Surg. Mate V. Collora.....	Sea Beach.....	Minnie Elbers
	Surg. Mate V. Collora.....	Sea Beach.....	Miss Downing
	Surg. Mate V. Collora.....	Sea Beach.....	Mrs. Cole
	6. Surg. Mate V. Collora.....	Sea Beach.....	Gertrude O'Rourke
	Surg. Mate V. Collora.....	Sea Beach.....	Clara Seaver
	13. Surg. Mate V. Collora.....	Sea Beach.....	Silverter Mineno
	14. Jr. Lieut. Paul Schwartz.....	Sea Beach.....	Isaac Rosenbaum
	15. Surg. Mate V. Collora.....	Sea Beach.....	August Albrecht
	18. Surg. Mate V. Collora.....	Sea Beach.....	Isabel Keegan
	20. Surg. Mate V. Collora.....	Sea Beach.....	Edith Sorenson
	Surg. Mate V. Collora.....	Sea Beach.....	Charles Cole
	Surg. Mate V. Collora.....	Sea Beach.....	Thomas Trubram
	Jr. Lieut. Paul Schwartz.....	Sea Beach.....	Richard Beck
	Jr. Lieut. Paul Schwartz.....	Sea Beach.....	Ralph Melville
	21. Capt. H. F. Emmen.....	Sea Beach.....	Paul Shoren
	22. Surg. Mate V. Collora.....	Sea Beach.....	Joseph Williams
	23. Jr. Lieut. Paul Schwartz.....	Sea Beach.....	Rub Was

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
July	24. Surg. Mate V. Collora.....	Sea Beach.....	John Bucaria
	Jr. Lieut. Paul Schwartz.....	Sea Beach.....	August Michael
	26. Surg. Mate V. Collora.....	Sea Beach.....	John McGuire
	27. Surg. Mate V. Collora.....	Sea Beach.....	Joseph Reilla
	Surg. Mate V. Collora.....	Sea Beach.....	Dorothy Moore
	Surg. Mate V. Collora.....	Sea Beach.....	Geo. Krudle
	Surg. Mate V. Collora.....	Sea Beach.....	Irwin Broronsky
	Surg. Mate V. Collora.....	Sea Beach.....	Henry Friedman
	30. Surg. Mate V. Collora.....	Sea Beach.....	Molly Acquello
	Aug. 8. Surg. Mate V. Collora.....	Sea Beach.....	John Mayer
Aug.	13. Surg. Mate V. Collora.....	Sea Beach.....	Margaret Schnepf
	Surg. Mate V. Collora.....	Sea Beach.....	Tony Genvo
	14. Surg. Mate V. Collora.....	Sea Beach.....	John Curren
	17. Capt. H. Emmen.....	Sea Beach.....	Paul Sheren
	Surg. Mate V. Collora.....	Sea Beach.....	John Lang
	Surg. Mate V. Collora.....	Sea Beach.....	John O'Hara
	19. Capt. H. Emmen.....	Sea Beach.....	Carrie Klanger
	20. Surg. Mate V. Collora.....	Sea Beach.....	John Bucaria
	23. Surg. Mate V. Collora.....	Sea Beach.....	Marg. Digno
	Surg. Mate V. Collora.....	Sea Beach.....	John Curren
	26. Surfman Elias Scheren.....	Sea Beach.....	Louis Russo
	Surfman Elias Scheren.....	Sea Beach.....	Edw. Hennessy
	Surfman Elias Scheren.....	Sea Beach.....	Wm. Casell
	27. Surfman J. W. Cole.....	Sea Beach.....	M. Scheick
	Sept. 2. Surfman Elias Scheren.....	Sea Beach.....	Joseph Ianiato
Sept.	Surfman Elias Scheren.....	Sea Beach.....	May Smith
	Surfman Elias Scheren.....	Sea Beach.....	Charles Brown
	Surfman Elias Scheren.....	Sea Beach.....	Mildred Jamussi
	3. Capt. H. Emmen.....	Sea Beach.....	Amanda Raske
	Surfman Elias Scheren.....	Sea Beach.....	Donald Small
	Surfman Elias Scheren.....	Sea Beach.....	Nicholas Jones
	Surfman Elias Scheren.....	Sea Beach.....	Stanley Harman
	Surfman Elias Scheren.....	Sea Beach.....	Sam Tassali
	9. Surfman Elias Scheren.....	Sea Beach.....	John Little
	Jan. 1. Capt. Henry Brown.....	Gravesend Bay.....	William Devere
Jan.	3. Coxswain Scansana.....	Gravesend Bay.....	Master Scansana
	6. Coxswain Scansana.....	Gravesend Bay.....	Miss Anna Scansana
	7. Coxswain Scansana.....	Gravesend Bay.....	William Caruso
	9. Coxswain Scansana.....	Gravesend Bay.....	H. Scansana
	Capt. Henry Brown.....	Gravesend Bay.....	Miss Quinn
	Capt. Henry Brown.....	Gravesend Bay.....	Sam Anielo
	11. Capt. Henry Brown.....	Gravesend Bay.....	W. Stanley
	12. Capt. Henry Brown.....	Gravesend Bay.....	Walter Baker
	14. Capt. Henry Brown.....	Gravesend Bay.....	Mary Jackson
	17. Capt. Henry Brown.....	Gravesend Bay.....	Otto Olson
	18. Capt. Henry Brown.....	Gravesend Bay.....	Tony Basuoca
	19. Capt. Henry Brown.....	Gravesend Bay.....	Tony Basuoca
	21. Capt. Henry Brown.....	Gravesend Bay.....	R. Henderson
	Capt. Henry Brown.....	Gravesend Bay.....	P. Johnson
	23. Capt. Henry Brown.....	Gravesend Bay.....	Sol Gamba
	25. Coxswain M. Scansana.....	Gravesend Bay.....	L. Casper
	26. Coxswain M. Scansana.....	Gravesend Bay.....	Al Kwiat
	27. Coxswain M. Scansana.....	Gravesend Bay.....	Sol Kobiak
	29. Capt. Henry Brown.....	Gravesend Bay.....	John Green
	Capt. Henry Brown.....	Gravesend Bay.....	James Moore
	Coxswain Scansana.....	Gravesend Bay.....	C. Scansana
	Coxswain Scansana.....	Gravesend Bay.....	D. Assanti
	30. Coxswain Scansana.....	Gravesend Bay.....	E. Berman
	Coxswain Scansana.....	Gravesend Bay.....	J. Herman
	Coxswain Scansana.....	Gravesend Bay.....	F. Scansana

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Jan.	30. Coxswain Scansana.....	Gravesend Bay.....	D. Scansana
	31. Coxswain Scansana.....	Gravesend Bay.....	Mrs. Sullman
	Coxswain Scansana.....	Gravesend Bay.....	Mrs. Grossman
	Coxswain Scansana.....	Gravesend Bay.....	Mrs. Solomon
Feb.	2. Coxswain Scansana.....	Gravesend Bay.....	Miss Cooper
	4. Coxswain Scansana.....	Gravesend Bay.....	S. Grossman
	Coxswain Scansana.....	Gravesend Bay.....	Andrew Citarello
	6. Coxswain Scansana.....	Gravesend Bay.....	S. Herman
	9. Coxswain Scansana.....	Gravesend Bay.....	S. Herman
	10. Coxswain Scansana.....	Gravesend Bay.....	Mrs. Scansana
	12. Capt. Henry Brown.....	Gravesend Bay.....	John Green
	14. Capt. Henry Brown.....	Gravesend Bay.....	Billy Kirby
	Capt. Henry Brown.....	Gravesend Bay.....	Jim Galla
	16. Capt. Henry Brown.....	Gravesend Bay.....	Nellie Baker
	17. Capt. Henry Brown.....	Gravesend Bay.....	Elwood Snedecker
	18. Capt. Henry Brown.....	Gravesend Bay.....	Thomas Quinn
	20. Coxswain Scansana.....	Gravesend Bay.....	Master M. Assanti
	Capt. Henry Brown.....	Gravesend Bay.....	Joe McCormick
	Capt. Henry Brown.....	Gravesend Bay.....	Joe Schatz
	21. Coxswain Scansana.....	Gravesend Bay.....	Miss Solomon
	Coxswain Scansana.....	Gravesend Bay.....	S. Ciarlo
	23. Coxswain Scansana.....	Gravesend Bay.....	F. Scansana
	Capt. Henry Brown.....	Gravesend Bay.....	Paul Muro
	Capt. Henry Brown.....	Gravesend Bay.....	H. Denis
	24. Coxswain Scansana.....	Gravesend Bay.....	G. Cohen
	25. Coxswain Scansana.....	Gravesend Bay.....	F. Scansana
	26. Capt. Henry Brown.....	Gravesend Bay.....	F. Stanley
	Capt. Henry Brown.....	Gravesend Bay.....	Sam Levy
	27. Capt. Henry Brown.....	Gravesend Bay.....	Billy Kirby
	Capt. Henry Brown.....	Gravesend Bay.....	Joe Rocco
	28. Capt. Henry Brown.....	Gravesend Bay.....	Jim Quigley
	Coxswain Scansana.....	Gravesend Bay.....	H. Denis
	Coxswain Scansana.....	Gravesend Bay.....	Anthony Lombardi
March	1. Coxswain Scansana.....	Gravesend Bay.....	Andrew Citarella
	3. Surfman Gus Steinhart.....	Gravesend Bay.....	Anthony Lombardi
	Surfman Gus Steinhart.....	Gravesend Bay.....	Peter Anderson
	6. Surfman Gus Steinhart.....	Gravesend Bay.....	Alfred Janson
	7. Surfman Gus Steinhart.....	Gravesend Bay.....	Wm. Eberhart
	9. Capt. Henry Brown.....	Gravesend Bay.....	Paul Baker
	12. Capt. Henry Brown.....	Gravesend Bay.....	Gus Roseman
	14. Coxswain Scansana.....	Gravesend Bay.....	J. Brouffer
	Coxswain Scansana.....	Gravesend Bay.....	A. Kwist
	16. Capt. Henry Brown.....	Gravesend Bay.....	Leo Eisler
	19. Capt. Henry Brown.....	Gravesend Bay.....	Mrs. Gus Roseman
	20. Capt. Henry Brown.....	Gravesend Bay.....	George Keller
	Capt. Henry Brown.....	Gravesend Bay.....	Mrs. Reiman
	21. Capt. Henry Brown.....	Gravesend Bay.....	William Thompson
April	24. Capt. Henry Brown.....	Gravesend Bay.....	J. Sloane
	25. Surfman An. Citarello.....	Gravesend Bay.....	Mic. Scansana
	26. Surfman Lombardi.....	Gravesend Bay.....	Henry Brown
	Surfman Lombardi.....	Gravesend Bay.....	Delbert Greene
	3. Surfman Lombardi.....	Gravesend Bay.....	Michael Scalicia
	Surfman Lombardi.....	Gravesend Bay.....	Joe Rissuto
	4. Surfman Andrew Citarello.....	Gravesend Bay.....	Henry Brown
	5. Captain Henry Brown.....	Gravesend Bay.....	Felix Heferman
	8. Captain Henry Brown.....	Gravesend Bay.....	Frank Wilder
	14. Surfman Andrew Citarello.....	Gravesend Bay.....	Anthony Lombardi
	Captain Henry Brown.....	Gravesend Bay.....	W. Stanley
	15. Captain Henry Brown.....	Gravesend Bay.....	Sam Aniolo
	Captain Henry Brown.....	Gravesend Bay.....	Otto Olson

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
April	21. Captain Henry Brown.....	Gravesend Bay.....	Miss Pesoa
	22. Captain Henry Brown.....	Gravesend Bay.....	Tony Giugio
	Surfman Andrew Citarello.....	Gravesend Bay.....	Henry Brown
	Coxswain Scansana.....	Gravesend Bay.....	Alfanzo de Silvia
	23. Coxswain Scansana.....	Gravesend Bay.....	Walter Baker
	27. Coxswain Scansana.....	Gravesend Bay.....	W. Caruso
	28. Captain Henry Brown.....	Gravesend Bay.....	John McNamara
	Coxswain Scansana.....	Gravesend Bay.....	E. Berman
	29. Surfman Anthony Lombardi...	Gravesend Bay.....	Thomas Spatafore
	Captain Henry Brown.....	Gravesend Bay.....	Jim Caffero
May	Surfman Andrew Citarello.....	Gravesend Bay.....	Charles Bergman
	1. Captain Henry Brown.....	Gravesend Bay.....	Howard Baker
	3. Captain Henry Brown.....	Gravesend Bay.....	John Green
	5. Captain Henry Brown.....	Gravesend Bay.....	Oscar Nelson
	6. Captain Henry Brown.....	Gravesend Bay.....	Frank Williams
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Quinn
	Captain Henry Brown.....	Gravesend Bay.....	James McGuire
	Captain Henry Brown.....	Gravesend Bay.....	Edward Wahlen
	Surfman Gus Steinhart.....	Gravesend Bay.....	Oscar Nelson
	Surfman Gus Steinhart.....	Gravesend Bay.....	Gustave Bergen
	Coxswain Scansana.....	Gravesend Bay.....	S. Cuiffo
	8. Captain Henry Brown.....	Gravesend Bay.....	Joe Mark
	9. Captain Henry Brown.....	Gravesend Bay.....	Olaf Erickson
	11. Captain Henry Brown.....	Gravesend Bay.....	Jim Quigley
	Captain Henry Brown.....	Gravesend Bay.....	William Bruno
	12. Captain Henry Brown.....	Gravesend Bay.....	Gus Maneca
	Captain Henry Brown.....	Gravesend Bay.....	Frank Webber
	13. Captain Henry Brown.....	Gravesend Bay.....	Edward Sniedercker
	Surfman Gus Steinhart.....	Gravesend Bay.....	James Sims
	Surfman Gus Steinhart.....	Gravesend Bay.....	Paul Baker
	Surfman Gus Steinhart.....	Gravesend Bay.....	Miss Quinn
	16. Captain Henry Brown.....	Gravesend Bay.....	May Burns
	Captain Henry Brown.....	Gravesend Bay.....	Mathew Hill
	17. Captain Henry Brown.....	Gravesend Bay.....	Sam Gruerson
	18. Captain Henry Brown.....	Gravesend Bay.....	Charles Anderson
	Captain Henry Brown.....	Gravesend Bay.....	Michael Fagan
	20. Coxswain Scansana.....	Gravesend Bay.....	Joe Cardinale
	Surfman Andrew Citarello.....	Gravesend Bay.....	Tony Randasso
	Surfman Gus Steinhart.....	Gravesend Bay.....	Geo. Benedick
	Surfman Gus Steinhart.....	Gravesend Bay.....	Joe Robiak
	Surfman Gus Steinhart.....	Gravesend Bay.....	Mrs. Reiman
	Surfman Gus Steinhart.....	Gravesend Bay.....	Thomas Mason
	Surfman Gus Steinhart.....	Gravesend Bay.....	Mrs. Brown
	22. Captain Henry Brown.....	Gravesend Bay.....	Tom Morris
	23. Captain Henry Brown.....	Gravesend Bay.....	Frank Randall
	24. Captain Henry Brown.....	Gravesend Bay.....	Werner Smith
	25. Surfman Tony Lombardi.....	Gravesend Bay.....	Ernest Keegan
	26. Captain Henry Brown.....	Gravesend Bay.....	Andrew Citarella
	27. Coxswain Scansana.....	Gravesend Bay.....	John Hagon
	Surfman Gus Steinhart.....	Gravesend Bay.....	Joe Rocco
	Surfman Gus Steinhart.....	Gravesend Bay.....	Oscar Schoeder
	Surfman Gus Steinhart.....	Gravesend Bay.....	Geo. Haase
	Surfman Gus Steinhart.....	Gravesend Bay.....	Gus Kehrer
	Captain Henry Brown.....	Gravesend Bay.....	Tony Savarese
	Captain Henry Brown.....	Gravesend Bay.....	Henry Flemming
	Captain Henry Brown.....	Gravesend Bay.....	Tony Michael
	29. Captain Henry Brown.....	Gravesend Bay.....	Garfield Jones
	Captain Henry Brown.....	Gravesend Bay.....	Otto Olson
	Captain Henry Brown.....	Gravesend Bay.....	Lew Eisner
	30. Captain Henry Brown.....	Gravesend Bay.....	Joe Scarpati

Date 1917	Members rendering " first aid "	Place where	Persons assisted
May 31.	Captain Henry Brown	Gravesend Bay.....	Martin Custavson
	Captain Henry Brown	Gravesend Bay.....	Otto Nenguth
	Captain Henry Brown	Gravesend Bay.....	John Johnson
	Surfman Tony Lombardi.....	Gravesend Bay.....	Epieinne Ragana
June	Surfman Tony Lombardi.....	Gravesend Bay.....	Jim Bernardo
	1. Captain Henry Brown.....	Gravesend Bay.....	Paul Dixon
	3. Surfman Andrew Citarello.....	Gravesend Bay.....	Charles Catti
	4. Surfman Andrew Citarello.....	Gravesend Bay.....	Joe Boncino
	Captain Henry Brown.....	Gravesend Bay.....	Andrew Citarello
	Captain Henry Brown.....	Gravesend Bay.....	Frank Litt
	Captain Henry Brown.....	Gravesend Bay.....	Raymond Flemming
	Captain Henry Brown.....	Gravesend Bay.....	Henry Kling
	Surfman Tony Lombardi.....	Gravesend Bay.....	Joe Knittle
	5. Captain Henry Brown.....	Gravesend Bay.....	William Hansler
	Captain Henry Brown.....	Gravesend Bay.....	William Hamilton
	Surfman Tony Lombardi.....	Gravesend Bay.....	Elwood Snedeker
	Surfman Tony Lombardi.....	Gravesend Bay.....	John Crosey
	Surfman Tony Lombardi.....	Gravesend Bay.....	Willie Lenardo
	6. Captain Henry Brown.....	Gravesend Bay.....	Master Elis Scherer
	Surfman Andrew Citarello.....	Gravesend Bay.....	Tony Lombardi
	Surfman Andrew Citarello.....	Gravesend Bay.....	Gus Hermanson
	7. Captain Henry Brown.....	Gravesend Bay.....	Bernard Harrison
	Captain Henry Brown.....	Gravesend Bay.....	William Eberhart
	Captain Henry Brown.....	Gravesend Bay.....	John Maher
	Captain Henry Brown.....	Gravesend Bay.....	George Hall
	Captain Henry Brown.....	Gravesend Bay.....	Paul Darfner
	Coxswain Scansana.....	Gravesend Bay.....	Henry Suter
	Surfman Tony Lombardi.....	Gravesend Bay.....	Thomas Boyle
	9. Surfman Accardi.....	Gravesend Bay.....	Edward Suter
	Surfman Tony Lombardi.....	Gravesend Bay.....	Thomas Boyle
	Surfman Tony Lombardi.....	Gravesend Bay.....	Jerry O'Brien
	Coxswain Scansana.....	Gravesend Bay.....	Vita Libbassi
	Coxswain Scansana.....	Gravesend Bay.....	Joe Termini
	10. Coxswain Scansana.....	Gravesend Bay.....	Martin Jargenson
	Captain Henry Brown.....	Gravesend Bay.....	William Reineke
	Captain Henry Brown.....	Gravesend Bay.....	Geo. Brehm
	Captain Henry Brown.....	Gravesend Bay.....	Frank McCarthy
	Captain Henry Brown.....	Gravesend Bay.....	Gus Roseman
	Captain Henry Brown.....	Gravesend Bay.....	John Baron
	Surfman Andrew Citarello.....	Gravesend Bay.....	James McGuire
	Surfman Andrew Citarello.....	Gravesend Bay.....	Sirvia Dehuccia
	11. Captain Henry Brown.....	Gravesend Bay.....	William Baker
	Captain Henry Brown.....	Gravesend Bay.....	Charles Ruderman
	Surfman Accardi.....	Gravesend Bay.....	William Ford
	Surfman Accardi.....	Gravesend Bay.....	Geo. Bruno
	Surfman Andrew Citarello.....	Gravesend Bay.....	Luigi Rumo
	12. Captain Henry Brown.....	Gravesend Bay.....	Ellas Scherer
	Surfman Accardi.....	Gravesend Bay.....	E. Edwards
	Surfman Accardi.....	Gravesend Bay.....	Peter Lombardi
	Surfman Accardi.....	Gravesend Bay.....	Fred Dykman
	Surfman Accardi.....	Gravesend Bay.....	Gus Osmer
	13. Surfman Tony Lombardi.....	Gravesend Bay.....	Frederick Kuhn
	14. Surfman Tony Lombardi.....	Gravesend Bay.....	Thomas Madden
	15. Captain Henry Brown.....	Gravesend Bay.....	John Rahls
	16. Coxswain Scansana.....	Gravesend Bay.....	J. Solomon
	Coxswain Scansana.....	Gravesend Bay.....	J. Cohen
	Captain Henry Brown.....	Gravesend Bay.....	Master Harry Jost
	Captain Henry Brown.....	Gravesend Bay.....	Stephen Meinert
	Captain Henry Brown.....	Gravesend Bay.....	Alfred Swanson
	Captain Henry Brown.....	Gravesend Bay.....	Tony Castello

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
June	17. Surfman Andrew Citarello.....	Gravesend Bay.....	Jacob Meier
	18. Captain Henry Brown.....	Gravesend Bay.....	William Bloomfield
	Captain Henry Brown.....	Gravesend Bay.....	Martin Schoff
	Captain Henry Brown.....	Gravesend Bay.....	William Bloomfield
	19. Captain Henry Brown.....	Gravesend Bay.....	Martin Schoff
	20. Captain Henry Brown.....	Gravesend Bay.....	H. Donnelly
	21. Captain Henry Brown.....	Gravesend Bay.....	James Linch
	22. Surfman Bondi.....	Gravesend Bay.....	Henry Brown
	Captain Henry Brown.....	Gravesend Bay.....	Mr. Hennessey
	Captain Henry Brown.....	Gravesend Bay.....	John Hafner
	23. Captain Henry Brown.....	Gravesend Bay.....	Gus Simken
	Captain Henry Brown.....	Gravesend Bay.....	Felix Heffernan
	Captain Henry Brown.....	Gravesend Bay.....	Martin Richter
	Captain Henry Brown.....	Gravesend Bay.....	John Heineman
	Captain Henry Brown.....	Gravesend Bay.....	Samuel Meyer
	Captain Henry Brown.....	Gravesend Bay.....	Louis Aryberger
	Captain Henry Brown.....	Gravesend Bay.....	Frank Sauro
	Captain Henry Brown.....	Gravesend Bay.....	Martin Cole
	Captain Henry Brown.....	Gravesend Bay.....	Harry Reimer
	Captain Henry Brown.....	Gravesend Bay.....	Ernest Hill
	Captain Henry Brown.....	Gravesend Bay.....	Henry Vehling
	Captain Henry Brown.....	Gravesend Bay.....	James Reiley
	Captain Henry Brown.....	Gravesend Bay.....	Michael Brennan
	Captain Henry Brown.....	Gravesend Bay.....	Erick Bergman
	Captain Henry Brown.....	Gravesend Bay.....	Mic Jacoby
	Captain Henry Brown.....	Gravesend Bay.....	Frank Jacobay
	Captain Henry Brown.....	Gravesend Bay.....	John Bottini
	Captain Henry Brown.....	Gravesend Bay.....	Frank Merkwa
	Captain Henry Brown.....	Gravesend Bay.....	Charles Feelig
	Coxswain Scanzana.....	Gravesend Bay.....	Frank Walber
	24. Captain Henry Brown.....	Gravesend Bay.....	Arthur Eckstatt
	Captain Henry Brown.....	Gravesend Bay.....	Herbert Nichols
	Captain Henry Brown.....	Gravesend Bay.....	Jacob Reese
	Captain Henry Brown.....	Gravesend Bay.....	Charles Henman
	Captain Henry Brown.....	Gravesend Bay.....	Gus Anderson
	Captain Henry Brown.....	Gravesend Bay.....	Fam Goodman
	Captain Henry Brown.....	Gravesend Bay.....	John Scott
	Captain Henry Brown.....	Gravesend Bay.....	Harry Boyd
	Surfman Gus Steinhart.....	Gravesend Bay.....	Fam Webster
	Surfman Gus Steinhart.....	Gravesend Bay.....	Conrad Haley
	Surfman Gus Steinhart.....	Gravesend Bay.....	Ed. Quinn
	Surfman Gus Steinhart.....	Gravesend Bay.....	Joe Brady
	Coxswain Scanzana.....	Gravesend Bay.....	William Wright
	26. Captain Henry Brown.....	Gravesend Bay.....	Paul Biggan
	28. Captain Henry Brown.....	Gravesend Bay.....	Geo. Shea
	Captain Henry Brown.....	Gravesend Bay.....	Frank Fitzpatrick
	29. Captain Henry Brown.....	Gravesend Bay.....	Joe McKeon
	30. Captain Henry Brown.....	Gravesend Bay.....	John Sohl
July	1. Surfman Tony Lombardi.....	Gravesend Bay.....	Tom Keating
	Captain Henry Brown.....	Gravesend Bay.....	Angelo Dominick
	2. Captain Henry Brown.....	Gravesend Bay.....	Elias Scherer
	Captain Henry Brown.....	Gravesend Bay.....	Edward Emsdecker
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Boyle
	3. Captain Henry Brown.....	Gravesend Bay.....	Anna Risrutio
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Boyle
	Captain Henry Brown.....	Gravesend Bay.....	Tony Saronli
	4. Captain Henry Brown.....	Gravesend Bay.....	Elias Scherer
	Surfman Accardi.....	Gravesend Bay.....	Salvatore Fabitino
	Surfman Accardi.....	Gravesend Bay.....	Joseph Linns
	Surfman Accardi.....	Gravesend Bay.....	Paquale Saquiente

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	4. Captain Henry Brown.....	Gravesend Bay.....	Anthony Lombardi
	Captain Henry Brown.....	Gravesend Bay.....	John Ballou
	Captain Henry Brown.....	Gravesend Bay.....	Peter Lombardi
	Surfman Gus Steinhart.....	Gravesend Bay.....	Tony Lombardi
	Surfman Tony Lombardi.....	Gravesend Bay.....	Giuseppe Gagliani
	5. Captain Henry Brown.....	Gravesend Bay.....	Joseph Hart
	Surfman Tony Lombardi.....	Gravesend Bay.....	Abraham Walk
	6. Surfman Peter Lombardi.....	Gravesend Bay.....	Thomas Keating
	Captain Henry Brown.....	Gravesend Bay.....	Charles Cohen
	Captain Henry Brown.....	Gravesend Bay.....	William Cesel
	7. Captain Henry Brown.....	Gravesend Bay.....	William Cesel
	Captain Henry Brown.....	Gravesend Bay.....	Philip Massimo
	Captain Henry Brown.....	Gravesend Bay.....	Mildred James
	Captain Henry Brown.....	Gravesend Bay.....	William Cesel
	Captain Henry Brown.....	Gravesend Bay.....	Anna Rissuto
	Captain Henry Brown.....	Gravesend Bay.....	Jos. Rissuto
	Captain Henry Brown.....	Gravesend Bay.....	Angelo Dominick
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Boyle
	Captain Henry Brown.....	Gravesend Bay.....	Tony Sarnelli
	Captain Henry Brown.....	Gravesend Bay.....	Charles Cati
	Captain Henry Brown.....	Gravesend Bay.....	Frank Randasso
	8. Captain Henry Brown.....	Gravesend Bay.....	Charles Slivins
	Captain Henry Brown.....	Gravesend Bay.....	Michael Smith
	9. Captain Henry Brown.....	Gravesend Bay.....	Jack Reimich
	Captain Henry Brown.....	Gravesend Bay.....	Sam Freedman
	Captain Henry Brown.....	Gravesend Bay.....	S. Lomelle
	Surfman Tony Lombardi.....	Gravesend Bay.....	Mary English
	Surfman Anthony Randasso.....	Gravesend Bay.....	Tony Lombardi
	10. Captain Henry Brown.....	Gravesend Bay.....	Catherine Rissuto
	11. Captain Henry Brown.....	Gravesend Bay.....	Catherine Rissuto
	14. Captain Henry Brown.....	Gravesend Bay.....	Ramario Rissuto
	Surfman Anthony Lombardi.....	Gravesend Bay.....	Leo Salvatore
	Surfman Anthony Lombardi.....	Gravesend Bay.....	Marvis Shlenkwits
	Coxswain Scansana.....	Gravesend Bay.....	Mic Accounti
	16. Coxswain Scansana.....	Gravesend Bay.....	Paul Scansana
	Coxswain Scansana.....	Gravesend Bay.....	Mic Assanti
	Captain Henry Brown.....	Gravesend Bay.....	Michael Jones
	Captain Henry Brown.....	Gravesend Bay.....	Anthony Labarca
	17. Captain Henry Brown.....	Gravesend Bay.....	Robert Jacowits
	Captain Henry Brown.....	Gravesend Bay.....	Charles Lefkowitz
	18. Captain Henry Brown.....	Gravesend Bay.....	Ernest Zita
	Captain Henry Brown.....	Gravesend Bay.....	Harry Bressler
	19. Captain Henry Brown.....	Gravesend Bay.....	Anthony Gagliano
	Captain Henry Brown.....	Gravesend Bay.....	Gus Roseman
	Captain Henry Brown.....	Gravesend Bay.....	William Baker
	Captain Henry Brown.....	Gravesend Bay.....	Jack Reimich
	Captain Henry Brown.....	Gravesend Bay.....	Harry Kanse
	Captain Henry Brown.....	Gravesend Bay.....	Bernhard Scherer
	Captain Henry Brown.....	Gravesend Bay.....	Tony Rocco
	Captain Henry Brown.....	Gravesend Bay.....	Frank Hennessy
	Captain Henry Brown.....	Gravesend Bay.....	L. Hennessy
	Captain Henry Brown.....	Gravesend Bay.....	Martin Adler
	Captain Henry Brown.....	Gravesend Bay.....	Harry Kanse
	20. Captain Henry Brown.....	Gravesend Bay.....	John Baron
	21. Captain Henry Brown.....	Gravesend Bay.....	Anthony Trentini
	22. Captain Henry Brown.....	Gravesend Bay.....	Josephine Banker
	23. Captain Henry Brown.....	Gravesend Bay.....	Bernhard Scherer
	Captain Henry Brown.....	Gravesend Bay.....	Angelica Termini
	24. Captain Henry Brown.....	Gravesend Bay.....	Charles Walter
	Captain Henry Brown.....	Gravesend Bay.....	John Schoff

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	25. Captain Henry Brown.....	Gravesend Bay.....	Felix Weinrich
	26. Captain Henry Brown.....	Gravesend Bay.....	Sam Rosenthal
	27. Captain Henry Brown.....	Gravesend Bay.....	Anna Wetzel
	Captain Henry Brown.....	Gravesend Bay.....	Paul Morris
	Captain Henry Brown.....	Gravesend Bay.....	Gus Lindberg
	Captain Henry Brown.....	Gravesend Bay.....	Sam Stanley
	Captain Henry Brown.....	Gravesend Bay.....	Robert Peterson
	Captain Henry Brown.....	Gravesend Bay.....	Joe Rocco
	Captain Henry Brown.....	Gravesend Bay.....	Sam Cardinale
	Captain Henry Brown.....	Gravesend Bay.....	Wilhe Baker
	28. Captain Henry Brown.....	Gravesend Bay.....	Alice Walter
	Captain Henry Brown.....	Gravesend Bay.....	Charles Nicholson
	Captain Henry Brown.....	Gravesend Bay.....	William Roche
	Captain Henry Brown.....	Gravesend Bay.....	Felix Turner
	Captain Henry Brown.....	Gravesend Bay.....	Henry Suttan
	Captain Henry Brown.....	Gravesend Bay.....	John Semken
	Captain Henry Brown.....	Gravesend Bay.....	Gus Anderson
	Captain Henry Brown.....	Gravesend Bay.....	Jack Kaufman
	Captain Henry Brown.....	Gravesend Bay.....	Walter Olson
	Captain Henry Brown.....	Gravesend Bay.....	Samuel Harrison
	29. Surfman Gus Steinhart.....	Gravesend Bay.....	John Peters
	Surfman Gus Steinhart.....	Gravesend Bay.....	Frank Wagner
	Surfman Gus Steinhart.....	Gravesend Bay.....	Jacob Silverberg
	Surfman Gus Steinhart.....	Gravesend Bay.....	Alfred Guenther
	Surfman Gus Steinhart.....	Gravesend Bay.....	Louis Epstein
	Surfman Gus Steinhart.....	Gravesend Bay.....	John Eheldon
	Surfman Gus Steinhart.....	Gravesend Bay.....	Harry Sheldon
	Surfman Gus Steinhart.....	Gravesend Bay.....	Arthur Altman
	Surfman Gus Steinhart.....	Gravesend Bay.....	Gus Englert
	Surfman Gus Steinhart.....	Gravesend Bay.....	Peter Friedman
	Surfman Anthony Randazza.....	Gravesend Bay.....	Anthony Lombardi
	Surfman Anthony Randazza.....	Gravesend Bay.....	Salvatore Lombardi
	Surfman Anthony Randazza.....	Gravesend Bay.....	John Ballon
	Captain Henry Brown.....	Gravesend Bay.....	Joe Wallace
	Captain Henry Brown.....	Gravesend Bay.....	John Schawats
	Captain Henry Brown.....	Gravesend Bay.....	William Freeman
	Captain Henry Brown.....	Gravesend Bay.....	Edward Friend
	Captain Henry Brown.....	Gravesend Bay.....	Carl Berger
	Surfman Andrew Citarello.....	Gravesend Bay.....	Edward Henderson
	Surfman Andrew Citarello.....	Gravesend Bay.....	Anthony Lombardi
	30. Surfman Andrew Citarello.....	Gravesend Bay.....	Joe Bonomo
	Surfman Andrew Citarello.....	Gravesend Bay.....	Joe Bonomo
	Captain Henry Brown.....	Gravesend Bay.....	Stanley Herman
	Captain Henry Brown.....	Gravesend Bay.....	Lissie Pietrino
	Captain Henry Brown.....	Gravesend Bay.....	Annie Pietrino
	Captain Henry Brown.....	Gravesend Bay.....	Sam Stein
	Captain Henry Brown.....	Gravesend Bay.....	Robert Smith
	Captain Henry Brown.....	Gravesend Bay.....	Geo. Lange
	Captain Henry Brown.....	Gravesend Bay.....	Paul Weinert
	Captain Henry Brown.....	Gravesend Bay.....	Sam Silverstein
	31. Captain Henry Brown.....	Gravesend Bay.....	Margaret Ballou
	Capt. Henry Brown.....	Gravesend Bay.....	James Williams
	Capt. Henry Brown.....	Gravesend Bay.....	Joe Mark
	Surfman Chas. Termini.....	Gravesend Bay.....	Joe Tarantela
	Comswain Soansana.....	Gravesend Bay.....	James O'Brien
Aug.	1. Surfman Gus Steinhart.....	Gravesend Bay.....	John Smith
	Capt. Henry Brown.....	Gravesend Bay.....	Sue O'Brien
	Capt. Henry Brown.....	Gravesend Bay.....	Joseph Walsh
	2. Capt. Henry Brown.....	Gravesend Bay.....	Julia Maelkel
	Capt. Henry Brown.....	Gravesend Bay.....	Ella Woller

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	2. Capt. Henry Brown.....	Gravesend Bay.....	Elizabeth Nicholson
	Capt. Henry Brown.....	Gravesend Bay.....	Anna Munster
	Capt. Henry Brown.....	Gravesend Bay.....	Gertie Boyle
	3. Capt. Henry Brown.....	Gravesend Bay.....	Eddie Harrigan
	Captain Henry Brown.....	Gravesend Bay.....	Anna Brown
	Captain Henry Brown.....	Gravesend Bay.....	Adolph Munster
	Captain Henry Brown.....	Gravesend Bay.....	Milton Scherer
	4. Captain Henry Brown.....	Gravesend Bay.....	Joseph Munster
	Captain Henry Brown.....	Gravesend Bay.....	P. Jacinto
	Captain Henry Brown.....	Gravesend Bay.....	Sam Farber
	Captain Henry Brown.....	Gravesend Bay.....	Bennie Brown
	Captain Henry Brown.....	Gravesend Bay.....	H. De Bruen
	5. Captain Henry Brown.....	Gravesend Bay.....	William Uhl
	Captain Henry Brown.....	Gravesend Bay.....	William Petrucci
	Captain Henry Brown.....	Gravesend Bay.....	Elsie Weder
	Captain Henry Brown.....	Gravesend Bay.....	Charles Necklman
	Captain Henry Brown.....	Gravesend Bay.....	Tony Anthonio
	Captain Henry Brown.....	Gravesend Bay.....	Bernhard Schmall
	Captain Henry Brown.....	Gravesend Bay.....	Pau Muhlbarg
	Captain Henry Brown.....	Gravesend Bay.....	Beda Halanberg
	Captain Henry Brown.....	Gravesend Bay.....	Willie Krauss
	Captain Henry Brown.....	Gravesend Bay.....	Elia Scherer
	Captain Henry Brown.....	Gravesend Bay.....	Rose Burkes
	Surfman Tony Lombardi.....	Gravesend Bay.....	William Lombardi
	6. Captain Henry Brown.....	Gravesend Bay.....	Ellen Krauss
	Captain Henry Brown.....	Gravesend Bay.....	William Krauss
	Captain Henry Brown.....	Gravesend Bay.....	Ellen Krauss
	Captain Henry Brown.....	Gravesend Bay.....	Robert Brown
	Captain Henry Brown.....	Gravesend Bay.....	Bernhard Scherer
	Captain Henry Brown.....	Gravesend Bay.....	Geo. Erickson
	Captain Henry Brown.....	Gravesend Bay.....	Charles Bullenber
	Captain Henry Brown.....	Gravesend Bay.....	James Flynn
	Captain Henry Brown.....	Gravesend Bay.....	William Mahoney
	Captain Henry Brown.....	Gravesend Bay.....	John Menken
	Captain Henry Brown.....	Gravesend Bay.....	Herman Mahland
	Captain Henry Brown.....	Gravesend Bay.....	Agnes Mahland
	Captain Henry Brown.....	Gravesend Bay.....	Martha Liedke
	Captain Henry Brown.....	Gravesend Bay.....	Mae Reynolds
	Captain Henry Brown.....	Gravesend Bay.....	John Scuert
	Captain Henry Brown.....	Gravesend Bay.....	E. Mollendorf
	Captain Henry Brown.....	Gravesend Bay.....	Adolf Munster
	Captain Henry Brown.....	Gravesend Bay.....	Joe Henderson
	Captain Henry Brown.....	Gravesend Bay.....	Alma Little
	Captain Henry Brown.....	Gravesend Bay.....	Bernhard Schmall
	Captain Henry Brown.....	Gravesend Bay.....	Edward Snedecker
	7. Captain Henry Brown.....	Gravesend Bay.....	Louise O'Brien
	Captain Henry Brown.....	Gravesend Bay.....	John Bullon
	Captain Henry Brown.....	Gravesend Bay.....	John Bullon
	Captain Henry Brown.....	Gravesend Bay.....	Margaret Ballon
	8. Captain Henry Brown.....	Gravesend Bay.....	Bernhard Small
	Captain Henry Brown.....	Gravesend Bay.....	Tony Dederr
	Captain Henry Brown.....	Gravesend Bay.....	Harry Bressler
	Captain Henry Brown.....	Gravesend Bay.....	Joseph Doyle
	Coxswain Scansans.....	Gravesend Bay.....	Adolph Munster
	Coxswain Scansans.....	Gravesend Bay.....	Willie Baker
	9. Captain Henry Brown.....	Gravesend Bay.....	Patsy Rocoe
	Captain Henry Brown.....	Gravesend Bay.....	Milton Scherer
	10. Captain Henry Brown.....	Gravesend Bay.....	Sam Boyle
	Captain Henry Brown.....	Gravesend Bay.....	Geo. Manning
	Captain Henry Brown.....	Gravesend Bay.....	Tony Boyle

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Date 1917	Members tendering "first aid"	Place where	Persons assisted
Aug. 10.	Captain Henry Brown.....	Gravesend Bay.....	Ernest Hinnam
	Captain Henry Brown.....	Gravesend Bay.....	Ernest Hinnam
	Captain Henry Brown.....	Gravesend Bay.....	Geo. Moeller
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Keating
11.	Captain Henry Brown.....	Gravesend Bay.....	Joe Cardinale
	Surfman Charles Tarantalo.....	Gravesend Bay.....	Ellen Naekes
	Surfman Charles Termini.....	Gravesend Bay.....	Joe Tarantalo
	Surfman Charles Termini.....	Gravesend Bay.....	Michael Termini
12.	Captain Henry Brown.....	Gravesend Bay.....	Paul Pernini
	Captain Henry Brown.....	Gravesend Bay.....	Mira O'Brien
	Captain Henry Brown.....	Gravesend Bay.....	James McGuire
	Captain Henry Brown.....	Gravesend Bay.....	Anthony Scurpati
	Captain Henry Brown.....	Gravesend Bay.....	Tony Cantolo
	Captain Henry Brown.....	Gravesend Bay.....	Hana Adler
	Captain Henry Brown.....	Gravesend Bay.....	William Muro
	Captain Henry Brown.....	Gravesend Bay.....	Peter Marisco
	Captain Henry Brown.....	Gravesend Bay.....	Louis Bayer
	Captain Henry Brown.....	Gravesend Bay.....	Jacob Treler
	Captain Henry Brown.....	Gravesend Bay.....	William Walter
	Captain Henry Brown.....	Gravesend Bay.....	Elvira Manuolo
	Surfman Gus Steinhart.....	Gravesend Bay.....	S. Quigley
	Surfman Gus Steinhart.....	Gravesend Bay.....	Howard Taylor
	Coxswain M. Scansano.....	Gravesend Bay.....	M. McCarthy
	Coxswain M. Scansano.....	Gravesend Bay.....	Anna Sielig
	13. Surfman Tony Lombardi.....	Gravesend Bay.....	Henry Brown
14.	Captain Henry Brown.....	Gravesend Bay.....	William Bruno
	Captain Henry Brown.....	Gravesend Bay.....	Edward Stavin
	Captain Henry Brown.....	Gravesend Bay.....	Charles Schnits
	Captain Henry Brown.....	Gravesend Bay.....	Adolph Giani
	Captain Henry Brown.....	Gravesend Bay.....	Gus Marino
	Captain Henry Brown.....	Gravesend Bay.....	Frank Simonson
	Captain Henry Brown.....	Gravesend Bay.....	Edward Hagan
	Captain Henry Brown.....	Gravesend Bay.....	Anna Munster
	Captain Henry Brown.....	Gravesend Bay.....	Leo Eisner
	Captain Henry Brown.....	Gravesend Bay.....	Rose Tarnatelo
	Captain Henry Brown.....	Gravesend Bay.....	M. Kaines
	Captain Henry Brown.....	Gravesend Bay.....	Elwood Snedecker
17.	Captain Henry Brown.....	Gravesend Bay.....	Carrie Derasa
	Captain Henry Brown.....	Gravesend Bay.....	John Bullon
	Captain Henry Brown.....	Gravesend Bay.....	Louis Bayer
	Captain Henry Brown.....	Gravesend Bay.....	Tony Trentino
18.	Captain Henry Brown.....	Gravesend Bay.....	John Finnegan
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Scott
	Captain Henry Brown.....	Gravesend Bay.....	E. Benson
	Captain Henry Brown.....	Gravesend Bay.....	Joseph Munster
	Captain Henry Brown.....	Gravesend Bay.....	Patry Jaquinta
	Captain Henry Brown.....	Gravesend Bay.....	Josephine Banks
	Coxswain Scansano.....	Gravesend Bay.....	Henry Brown
	Coxswain Scansano.....	Gravesend Bay.....	Ellen Naekels
	Coxswain Scansano.....	Gravesend Bay.....	Joe Tarantalo
	Coxswain Scansano.....	Gravesend Bay.....	Michael Termini
	Coxswain Scansano.....	Gravesend Bay.....	Sam Cardinale
	Coxswain Scansano.....	Gravesend Bay.....	Jim Quigley
	Surfman Charles Termini.....	Gravesend Bay.....	Mrs. Tarantalo
	19. Captain Henry Brown.....	Gravesend Bay.....	Martin Gustavson
19.	Captain Henry Brown.....	Gravesend Bay.....	Gus Mammio
	Captain Henry Brown.....	Gravesend Bay.....	Charles Devino
	Captain Henry Brown.....	Gravesend Bay.....	Mr. Gerlando
	Captain Henry Brown.....	Gravesend Bay.....	Henry Suter
	Captain Henry Brown.....	Gravesend Bay.....	John Currey

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	19. Captain Henry Brown.....	Gravesend Bay.....	Benny Small
	Surfman Charles Termini.....	Gravesend Bay.....	Philip Beford
	Surfman Charles Termini.....	Gravesend Bay.....	John Semken
	Surfman Charles Termini.....	Gravesend Bay.....	John Gingo
	Surfman Charles Termini.....	Gravesend Bay.....	Ella O'Connor
	Surfman John McGuire.....	Gravesend Bay.....	Joseph Manning
	Surfman Joseph Doyle.....	Gravesend Bay.....	John McCormick
	20. Captain Henry Brown.....	Gravesend Bay.....	Paul Baker
	Captain Henry Brown.....	Gravesend Bay.....	Erick Swanson
	Captain Henry Brown.....	Gravesend Bay.....	Agnes Swanson
	Captain Henry Brown.....	Gravesend Bay.....	Harry Goldstein
	Captain Henry Brown.....	Gravesend Bay.....	Conrad Flatano
	Captain Henry Brown.....	Gravesend Bay.....	Robert Van Thume
	Captain Henry Brown.....	Gravesend Bay.....	Ida Glass
	21. Captain Henry Brown.....	Gravesend Bay.....	John Ballou
	22. Captain Henry Brown.....	Gravesend Bay.....	Thomas Quinn
	Surfman Joseph Doyle.....	Gravesend Bay.....	Thomas Amato
	23. Captain Henry Brown.....	Gravesend Bay.....	Tony Meichina
	Captain Henry Brown.....	Gravesend Bay.....	Frank Gardini
	Captain Henry Brown.....	Gravesend Bay.....	Charles Russo
	Captain Henry Brown.....	Gravesend Bay.....	Gus Ebert
	24. Captain Henry Brown.....	Gravesend Bay.....	Edward McDonald
	Captain Henry Brown.....	Gravesend Bay.....	Julius Berman
	Surfman Joseph Doyle.....	Gravesend Bay.....	Willie Jones
	26. Captain Henry Brown.....	Gravesend Bay.....	William Deverne
	Captain Henry Brown.....	Gravesend Bay.....	Aristo Sorvilla
	Captain Henry Brown.....	Gravesend Bay.....	Aristo Sorvilla
	Captain Henry Brown.....	Gravesend Bay.....	Ella Janson
	Surfman Joseph Doyle.....	Gravesend Bay.....	Samuel Washing
	Surfman Gus Steinhart.....	Gravesend Bay.....	John Smith
	28. Captain Henry Brown.....	Gravesend Bay.....	William Deverne
	29. Captain Henry Brown.....	Gravesend Bay.....	William Zimmerman
	Captain Henry Brown.....	Gravesend Bay.....	Joseph Mark
	30. Captain Henry Brown.....	Gravesend Bay.....	Anthony Priacello
	Captain Henry Brown.....	Gravesend Bay.....	Thomas Flynn
Sept.	Coxswain Scansana.....	Gravesend Bay.....	Mr. Assanti
	1. Coxswain Scansana.....	Gravesend Bay.....	William Caruso
	Coxswain Scansana.....	Gravesend Bay.....	Anthony Lombardo
	Captain Henry Brown.....	Gravesend Bay.....	John McNamara
	2. Captain Henry Brown.....	Gravesend Bay.....	Ben Klein
	Captain Henry Brown.....	Gravesend Bay.....	Willie Muro
	Captain Henry Brown.....	Gravesend Bay.....	William Kesting
	Captain Henry Brown.....	Gravesend Bay.....	Otto Nenguth
	Captain Henry Brown.....	Gravesend Bay.....	Edward Hogan
	Captain Henry Brown.....	Gravesend Bay.....	Louis Faloom
	Captain Henry Brown.....	Gravesend Bay.....	Garfield Jones
	Captain Henry Brown.....	Gravesend Bay.....	Sam Stanley
	Captain Henry Brown.....	Gravesend Bay.....	James Flynn
	Surfman Gus Steinhart.....	Gravesend Bay.....	Mic Accardi
	Surfman Gus Steinhart.....	Gravesend Bay.....	Joseph Tarantala
	Surfman Gus Steinhart.....	Gravesend Bay.....	Andrew Wahlen
	Surfman Gus Steinhart.....	Gravesend Bay.....	Joe Rocco
	Surfman Gus Steinhart.....	Gravesend Bay.....	Tony Balsano
	Surfman Gus Steinhart.....	Gravesend Bay.....	Lecori Bande
	Surfman Gus Steinhart.....	Gravesend Bay.....	Charles Dominick
	Surfman Charles Termini.....	Gravesend Bay.....	Joe De Betta
	3. Surfman Charles Termini.....	Gravesend Bay.....	Joe Phillips
	Surfman Charles Termini.....	Gravesend Bay.....	Henry Tiedler
	Surfman Charles Termini.....	Gravesend Bay.....	George Marchese
	Surfman Charles Termini.....	Gravesend Bay.....	Henry Egner

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
Sept.	3. Surfman Charles Termini.....	Gravesend Bay.....	William Peterson
	Surfman Charles Termini.....	Gravesend Bay.....	Mic Cannora
	Captain Henry Brown.....	Gravesend Bay.....	Paul Napoli
	Captain Henry Brown.....	Gravesend Bay.....	Michael Perva
	Captain Henry Brown.....	Gravesend Bay.....	Ben Bregelaska
	4. Captain Henry Brown.....	Gravesend Bay.....	Poggi Vincenzo
	Captain Henry Brown.....	Gravesend Bay.....	George Gray
	Captain Henry Brown.....	Gravesend Bay.....	Frank Cox
	Surfman Charles Termini.....	Gravesend Bay.....	Joe Mark
	Surfman Charles Termini.....	Gravesend Bay.....	Harry Williams
	Surfman Charles Termini.....	Gravesend Bay.....	Thomas Quinn
	5. Captain Henry Brown.....	Gravesend Bay.....	John Clyde
	Captain Henry Brown.....	Gravesend Bay.....	Frank Scott
	Captain Henry Brown.....	Gravesend Bay.....	Henry Fogler
	Surfman Charles Termini.....	Gravesend Bay.....	Joe Gallagan
	6. Captain Henry Brown.....	Gravesend Bay.....	Edward Brown
	Captain Henry Brown.....	Gravesend Bay.....	Louis Staub
	Captain Henry Brown.....	Gravesend Bay.....	Alfred Linde
	Surfman Gus Steinhart.....	Gravesend Bay.....	Henry Alperowits
	Surfman Gus Steinhart.....	Gravesend Bay.....	James Stelkerson
	Surfman Charles Termini.....	Gravesend Bay.....	William Bruno
	8. Surfman James McGuire.....	Gravesend Bay.....	Thomas Boyle
	Surfman James McGuire.....	Gravesend Bay.....	Edward Hogan
	Surfman James McGuire.....	Gravesend Bay.....	Harry Williams
	Surfman Charles Termini.....	Gravesend Bay.....	Tony Dederr
	10. Surfman Christenson.....	Gravesend Bay.....	Al Admudson
	Surfman Christenson.....	Gravesend Bay.....	George Etteffens
	Surfman Charles Termini.....	Gravesend Bay.....	Gustave Helmsing
	Surfman Charles Termini.....	Gravesend Bay.....	Alex Johnson
	21. Surfman Mic Scansana.....	Gravesend Bay.....	Elwood Fneckecker
	22. Surfman Christenson.....	Gravesend Bay.....	Philip Anderson
	25. Captain Henry Brown.....	Gravesend Bay.....	Isidore Fritzn
	Captain Henry Brown.....	Gravesend Bay.....	Joe Tobin
	28. Surfman Charles Termini.....	Gravesend Bay.....	Louis Bayer
	29. Surfman Charles Termini.....	Gravesend Bay.....	Anthony Savarese
	Surfman Charles Termini.....	Gravesend Bay.....	Harry Carter
	30. Captain Henry Brown.....	Gravesend Bay.....	Sam Cardinale
	Captain Henry Brown.....	Gravesend Bay.....	Robert Brown
Oct.	3. Captain Henry Brown.....	Gravesend Bay.....	John McCullen
	6. Captain Henry Brown.....	Gravesend Bay.....	Ed. Frishmann
	Surfman Charles Termini.....	Gravesend Bay.....	Sol Bernstein
	7. Surfman Gus Steinhart.....	Gravesend Bay.....	Elias Connans
	Surfman Gus Steinhart.....	Gravesend Bay.....	Sam Engelstein
	Captain Henry Brown.....	Gravesend Bay.....	Charles Anderson
	Captain Henry Brown.....	Gravesend Bay.....	Willie Clare
	Surfman McGuire.....	Gravesend Bay.....	Geo. Weisenhaff
	16. Surfman Ed. Slavin.....	Gravesend Bay.....	Howard Baker
	17. Surfman Ed. Slavin.....	Gravesend Bay.....	Louis Bayer
	18. Surfman Ed. Slavin.....	Gravesend Bay.....	S. French
	20. Surfman Charles Termini.....	Gravesend Bay.....	Henry Hulsberg
	Surfman Charles Termini.....	Gravesend Bay.....	D. Bailey
	21. Surfman Joseph Doyle.....	Gravesend Bay.....	William Peterson
	Surfman Joseph Doyle.....	Gravesend Bay.....	James McCullough
	Surfman Joseph Doyle.....	Gravesend Bay.....	Ed. Morris
	Captain Henry Brown.....	Gravesend Bay.....	B. McLaughlin
	28. Captain Henry Brown.....	Gravesend Bay.....	Peter Nugent
	Captain Henry Brown.....	Gravesend Bay.....	Aug. Heimerwits
	Captain Henry Brown.....	Gravesend Bay.....	William Still
	Captain Henry Brown.....	Gravesend Bay.....	De Ambra
	Surfman Mic Scansana.....	Gravesend Bay.....	William Kenney

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Oct.	28. Surfman Mic Scansana.....	Gravesend Bay.....	McBride
	Surfman Charles Termini.....	Gravesend Bay.....	Tony Piscapi
	Surfman Charles Termini.....	Gravesend Bay.....	Gusso Pulohasi
	29. Captain Henry Brown.....	Gravesend Bay.....	Sal Suseman
	30. Captain Henry Brown.....	Gravesend Bay.....	Tony Soldino
	Surfman Charles Termini.....	Gravesend Bay.....	Sam Richardson
	Surfman Charles Termini.....	Gravesend Bay.....	Willie Baker
	31. Surfman Charles Termini.....	Gravesend Bay.....	Charles Piscapu
	1. Captain Henry Brown.....	Gravesend Bay.....	Al. Se Dilvia
	Captain Henry Brown.....	Gravesend Bay.....	Gus Rosenberg
Nov.	Surfman Charles Termini.....	Gravesend Bay.....	Paul Menakake
	2. Surfman Ed. Slavin.....	Gravesend Bay.....	John Costela
	Surfman Ed. Slavin.....	Gravesend Bay.....	Henry Brown
	Surfman Ed. Slavin.....	Gravesend Bay.....	Joe Cafino
	Surfman Charles Termini.....	Gravesend Bay.....	Mr. Powers
	3. Surfman Ed. Slavin.....	Gravesend Bay.....	Gus Erickson
	Surfman Charles Termini.....	Gravesend Bay.....	Joe Tarantala
	Surfman Charles Termini.....	Gravesend Bay.....	Paul Termini
	Captain Henry Brown.....	Gravesend Bay.....	Tony Puno
	Captain Henry Brown.....	Gravesend Bay.....	Carlo Ritco
	Captain Henry Brown.....	Gravesend Bay.....	Christopher Seneci
	9. Surfman Ed. Slavin.....	Gravesend Bay.....	Edward Parker
	10. Surfman Ed. Slavin.....	Gravesend Bay.....	John Mahony
	16. Captain Henry Brown.....	Gravesend Bay.....	John Janson
	24. Surfman Charles Termini.....	Gravesend Bay.....	Joe Risautio
	29. Captain Henry Brown.....	Gravesend Bay.....	Stri. Gerlando
	Captain Henry Brown.....	Gravesend Bay.....	William Greene
	30. Captain Henry Brown.....	Gravesend Bay.....	William Deverne
Dec.	9. Surg. Mate V. Colora.....	Gravesend Bay.....	Leo Byrner

THIRTY-NINTH STREET FERRY

Jan.	2. Captain Turner.....	39th St. Ferry.....	Tom Smith
	5. Captain Turner.....	39th St. Ferry.....	John Gaffney
	16. Captain Turner.....	39th St. Ferry.....	Tom Burnes
	Captain Turner.....	39th St. Ferry.....	John Keller
May	20. Vice-Commodore Stiglin.....	39th St. Ferry.....	Morris Long
	26. Vice-Commodore Stiglin.....	39th St. Ferry.....	John Laffey
July	6. Vice-Commodore Stiglin.....	39th St. Ferry.....	Miss Corr
	14. Vice-Commodore Stiglin.....	39th St. Ferry.....	Samuel Levy
	Vice-Commodore Stiglin.....	39th St. Ferry.....	John O'Neel
	16. Vice Commodore Stiglin.....	39th St. Ferry.....	James Smith

BEDFORD Y. M. C. A.

Jan.	1. Surfman H. DelMonte.....	Bedford Y. M. C. A.....	F. Quigey
	3. Surfman Mottola.....	Bedford Y. M. C. A.....	Frank Schnitapan
	5. Boatswain Fenton.....	Bedford Y. M. C. A.....	John Abrahams
Mar.	3. Surfman Arthur Mottola.....	Bedford Y. M. C. A.....	Walter Sticht
April	5. Captain L. Wood.....	Bedford Y. M. C. A.....	E. Twarachi
	14. Surfman Sydney Silverman.....	Bedford Y. M. C. A.....	Arthur Paddock
	21. Boatswain R. Fenton.....	Bedford Y. M. C. A.....	Lester Elliot
	Boatswain R. Fenton.....	Bedford Y. M. C. A.....	J. McNamara
	27. Captain R. J. Walsh.....	Bedford Y. M. C. A.....	Fred Koch
	Captain R. J. Walsh.....	Bedford Y. M. C. A.....	J. Rothner
May	28. Captain L. Woods.....	Bedford Y. M. C. A.....	R. Fenton
	2. Sr. Lieut. Fleury.....	Bedford Y. M. C. A.....	E. Stubbie
	14. Boatswain R. Fenton.....	Bedford Y. M. C. A.....	Douglas Tremper
	19. Surfman H. Anderson.....	Bedford Y. M. C. A.....	Walter Sticht
	Boatswain Fenton.....	Bedford Y. M. C. A.....	H. Anderson
	20. Sr. Lieut. Lester Fleury.....	Bedford Y. M. C. A.....	Raymond Walsh
	30. Captain Raymond Walsh.....	Bedford Y. M. C. A.....	Henry Keiser
	31. Captain L. Wood.....	Bedford Y. M. C. A.....	Jack Armstrong
	Captain L. Wood.....	Bedford Y. M. C. A.....	J. Brooks

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	5. Captain Raymond Walsh.....	Bedford Y. M. C. A.....	Fred Hashagen
	Surfman S. Silverman.....	Bedford Y. M. C. A.....	C. Klein
	25. Captain L. Wood.....	Bedford Y. M. C. A.....	J. J. Morrow
July	Captain L. Wood.....	Bedford Y. M. C. A.....	Roger Gessvine
	11. Captain L. Wood.....	Bedford Y. M. C. A.....	S. Rogosienaki
	31. Charles Dillbner.....	Bedford Y. M. C. A.....	Ernest Gropler
Aug.	18. Captain L. Wood.....	Bedford Y. M. C. A.....	Dunear Forgie
	25. Captain L. Wood.....	Bedford Y. M. C. A.....	Alfonso Guragna
	Surfman A. Mottola.....	Bedford Y. M. C. A.....	Alex Bernard
Sept.	30. Captain L. Wood.....	Bedford Y. M. C. A.....	Edgar Silberman
	31. Surfman A. Mottola.....	Bedford Y. M. C. A.....	Eric Sevarch
	3. Surfman S. Silverman.....	Bedford Y. M. C. A.....	Sidney Silverman
Oct.	10. Captain L. Wood.....	Bedford Y. M. C. A.....	Albert Troy
	25. Raymond Walsh.....	Bedford Y. M. C. A.....	Lester Fleury
	Raymond Walsh.....	Bedford Y. M. C. A.....	A. Mottola
Nov.	30. Murray Kempner.....	Bedford Y. M. C. A.....	Albert Troy
	4. Surfman Alfred Young.....	Bedford Y. M. C. A.....	Charles Heiner:ahlein
	Boatswain R. Fenton.....	Bedford Y. M. C. A.....	Ernest Groppler
Dec.	22. Surfman A. Mottola.....	Bedford Y. M. C. A.....	M. J. Kemper
	Surfman Albert Troy.....	Bedford Y. M. C. A.....	Joseph Quigley
	Surfman G. Motchake.....	Bedford Y. M. C. A.....	Harris Tanner
Dec.	18. Surfman L. Gardiner.....	Bedford Y. M. C. A.....	Walter Sticht
	21. Boatswain R. Fenton.....	Bedford Y. M. C. A.....	Adrian White
	22. Surfman L. Gardiner.....	Bedford Y. M. C. A.....	James Mohrman
Dec.	Captain R. J. Walsh.....	Bedford Y. M. C. A.....	George Dite
	28. Surfman Sydney Silverman.....	Bedford Y. M. C. A.....	Walter Sticht
	Surfman Harold Anderson.....	Bedford Y. M. C. A.....	Adolphus Parker

PARKS

Oct.	6. M. Kessel.....	New Lots Playground.....	Sophie Nitseplegh
	7. M. Klein.....	McCarren Playground.....	Ed. Tiernan
	8. J. C. Fried.....	Betay Head Playground.....	Harry Allweise
Oct.	9. M. Kessel.....	Red Hook Playground.....	Baldassar Esposito
	10. M. Kessel.....	Red Hook Playground.....	Sophie Nitseplegh
	15. J. C. Fried.....	Betay Head Playground.....	Harry Roennan
Nov.	17. J. C. Fried.....	Betay Head Playground.....	Max Falick
	18. L. Frank.....	McCarren Playground.....	Francis Huertas
	25. E. C. Silberman.....	McCarren Playground.....	Lillian Wedmer
Nov.	28. L. Frank.....	McLaughlin.....	Harold Jones
	30. R. R. Davidson.....	Red Hook Playground.....	Wm. Bauman
	R. R. Davidson.....	Red Hook Playground.....	Herbert Peterson
Nov.	8. M. Kessel.....	Red Hook Playground.....	Wm. Ramsey
	11. M. Kessel.....	Red Hook Playground.....	Mary Bart
	13. Davidson.....	Bushwick Playground.....	Marie Powers
Nov.	17. Davidson.....	McKibbin Playground.....	Sarah Rapaport
	Pelrman.....	Betay Head Playground.....	A. Winarksky
	M. Kessel.....	Red Hook Playground.....	Fred Elsey
Nov.	20. L. Frank.....	Red Hook Playground.....	O. Skoberg

CENTRAL Y. M. C. A.

Jan.	3. E. Carlson.....	Central Y. M. C. A.....	Oscar Berzer
	7. E. Carlson.....	Central Y. M. C. A.....	Wm. Muller
	10. E. Carlson.....	Central Y. M. C. A.....	James Samarque
Jan.	14. E. Carlson.....	Central Y. M. C. A.....	Valentine Pottle
	E. Carlson.....	Central Y. M. C. A.....	Henry Hoyer
	16. E. Carlson.....	Central Y. M. C. A.....	Charles Miller
Jan.	18. E. Carlson.....	Central Y. M. C. A.....	Emil Stadhellor
	27. E. Carl on.....	Central Y. M. C. A.....	L. W. Holmes
	21. E. Carlson.....	Central Y. M. C. A.....	Gordon Bellard
Jan.	27. V. W. Higgins.....	Central Y. M. C. A.....	Gee. Shridr
	30. E. Carlson.....	Central Y. M. C. A.....	E. P. Roberts

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Feb.	1. V. W. Higgins.....	Central Y. M. C. A.....	W. Thompson
	3. E. Carlson.....	Central Y. M. C. A.....	Herbert Hamilton
	E. Carlson.....	Central Y. M. C. A.....	Wm. Stierlen
	4. E. Carlson.....	Central Y. M. C. A.....	Mr. Doogal
	5. E. Carlson.....	Central Y. M. C. A.....	Hugo Hein
	7. E. Carlson.....	Central Y. M. C. A.....	Wm. Aylward
	8. E. Carlson.....	Central Y. M. C. A.....	Thos. Tamey
	9. E. Carlson.....	Central Y. M. C. A.....	Chas. Anderson
	10. E. Carlson.....	Central Y. M. C. A.....	Wm. Hunter
	11. E. Carlson.....	Central Y. M. C. A.....	J. Kirkpatrick
	E. Carlson.....	Central Y. M. C. A.....	O. Delmarie
	12. E. Carlson.....	Central Y. M. C. A.....	John Wille
	E. Carlson.....	Central Y. M. C. A.....	Charles Stierlen
	E. Carlson.....	Central Y. M. C. A.....	Donald Fielding
	13. E. Carlson.....	Central Y. M. C. A.....	F. Rich
	14. V. W. Higgins.....	Central Y. M. C. A.....	W. Crawford
	15. E. Carlson.....	Central Y. M. C. A.....	Louis Helwig
	E. Carlson.....	Central Y. M. C. A.....	J. Tompkins
	16. V. W. Higgins.....	Central Y. M. C. A.....	M. Stein
	E. Carlson.....	Central Y. M. C. A.....	A. Townsend
	18. E. Carlson.....	Central Y. M. C. A.....	Albert Hanson
	E. Carlson.....	Central Y. M. C. A.....	Wm. Rea
	21. E. Carlson.....	Central Y. M. C. A.....	J. Conway
	Surfman Skinner.....	Central Y. M. C. A.....	D. Bloomfield
	22. E. Carlson.....	Central Y. M. C. A.....	Jack Rea
	E. Carlson.....	Central Y. M. C. A.....	W. H. Cowley
	26. E. Carlson.....	Central Y. M. C. A.....	Edward Glatmeyer
	E. Carlson.....	Central Y. M. C. A.....	Herbert Hamilton
	27. E. Carlson.....	Central Y. M. C. A.....	Lewis Smith
	28. E. Carlson.....	Central Y. M. C. A.....	H. Duryea
	29. E. Carlson.....	Central Y. M. C. A.....	Fred Smith
	E. Carlson.....	Central Y. M. C. A.....	George Gormley
	E. Carlson.....	Central Y. M. C. A.....	W. Daraley
Mar.	1. E. Carlson.....	Central Y. M. C. A.....	J. Jarvis
	4. E. Carlson.....	Central Y. M. C. A.....	Oscar Berger
	E. Carlson.....	Central Y. M. C. A.....	J. Mead
	E. Carlson.....	Central Y. M. C. A.....	Edw. Omeara
	Dr. Field.....	Central Y. M. C. A.....	A. Fich
	E. Carlson.....	Central Y. M. C. A.....	Fred Kruger
	7. V. W. Higgins.....	Central Y. M. C. A.....	F. Kass
	V. W. Higgins.....	Central Y. M. C. A.....	M. Levoy
	9. V. W. Higgins.....	Central Y. M. C. A.....	William Rea
	11. V. W. Higgins.....	Central Y. M. C. A.....	E. Stodhater
	14. V. W. Higgins.....	Central Y. M. C. A.....	Pasquale Baretti
	15. V. W. Higgins.....	Central Y. M. C. A.....	Martin Chalmers
	V. W. Higgins.....	Central Y. M. C. A.....	Lloyd Kerr
	16. E. Carlson.....	Central Y. M. C. A.....	A. Claiss
	17. E. Carlson.....	Central Y. M. C. A.....	John Sornison
	E. Carlson.....	Central Y. M. C. A.....	N. Smith
	18. E. Carlson.....	Central Y. M. C. A.....	Wm. Schaefer
	22. E. Carlson.....	Central Y. M. C. A.....	Horace Poesy
	23. E. Carlson.....	Central Y. M. C. A.....	W. Roberts
	28. E. Carlson.....	Central Y. M. C. A.....	W. Itchner
April	29. E. Carlson.....	Central Y. M. C. A.....	Elmer Ellmyer
	1. E. Carlson.....	Central Y. M. C. A.....	Charles Thomas
	Captain Higgins.....	Central Y. M. C. A.....	Oscar Berger
	3. Captain Higgins.....	Central Y. M. C. A.....	Chas. Stierlen
	6. Captain Higgins.....	Central Y. M. C. A.....	Wm. Peak
	Captain Higgins.....	Central Y. M. C. A.....	Chas. Luff
	13. E. Carlson.....	Central Y. M. C. A.....	Edw. Talmage
	V. W. Higgins.....	Central Y. M. C. A.....	W. Schaefer
	15. E. Carlson.....	Central Y. M. C. A.....	John Anderson

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
April	15. E. Carlson.....	Central Y. M. C. A.....	John Brown
	E. Carlson.....	Central Y. M. C. A.....	A. Cochran
	18. E. Carlson.....	Central Y. M. C. A.....	E. Hanson
	18. E. Carlson.....	Central Y. M. C. A.....	Alfred Bell
	V. W. Higgins.....	Central Y. M. C. A.....	Henry Borgen
May	19. E. Carlson.....	Central Y. M. C. A.....	Edw. Johnson
	1. Doctor in hospital.....	Central Y. M. C. A.....	Brown Jennings
	4. E. Carlson.....	Central Y. M. C. A.....	Miss Ziner
	9. E. Carlson.....	Central Y. M. C. A.....	Thos. Givquist
	11. E. Carlson.....	Central Y. M. C. A.....	Wm. Hickman
	17. V. W. Higgins.....	Central Y. M. C. A.....	Goe. Dahn
	18. E. Carlson.....	Central Y. M. C. A.....	C. McKinney
	20. V. W. Higgins.....	Central Y. M. C. A.....	Wm. Bittner
	22. E. Carlson.....	Central Y. M. C. A.....	Louis De Jean
	27. V. W. Higgins.....	Central Y. M. C. A.....	G. Grady
	29. V. W. Higgins.....	Central Y. M. C. A.....	Ed. Glatzmerger
June	1. E. Carlson.....	Central Y. M. C. A.....	John Jones

RESCUES

Date 1917	Members making rescue	Place where	Person rescued
July	2. Jr. Lieut. Irving Suben.....	Parkway.....	Mr. Brenno
	4. Jr. Lieut. Irving Suben and Geo. Marks, Surfman.....	Parkway.....	Minnie Stockman
	12. Jr. Lieut. Irving Suben.....	Parkway.....	Sadie Levy
	13. Surfman L. Borden.....	Parkway.....	F. Cohen
	14. Jr. Lieut. Irving Suben and S. Brumell and Nurse.....	Parkway.....	M. Karas
	Surfman J. Cowell.....	Parkway.....	Miss N. Cherkias
	15. Jr. Lieut. Irving Suben.....	Parkway.....	D. A. Newman
	Jr. Lieut. Irving Suben.....	Parkway.....	S. Blecker
	Aug. 12. Surfman Joe Nadel.....	Parkway.....	Helen Buxbaum
	Surfman Geo. Marks.....	Parkway.....	Frank Messino
Aug.	19. Surg. Mate D. D. Howard.....	Parkway.....	Max Levy
	Surg. Mate D. D. Howard.....	Parkway.....	Philip Wolff
June	24. Surfmen Clarkson and Farrell.....	Dreamland.....	J. A. Lundy
July	1. Captain, Hdqtrs. Schilling.....	Dreamland.....	Benny Mund
	Surfman Farrell.....	Dreamland.....	Mary Schwartz
	14. Captain Schilling.....	Dreamland.....	Unknown female
	17. Surfmen Miles and Lats.....	Dreamland.....	Etta Solomon and daughter
	18. Captain Medero.....	Dreamland.....	Abbie Wesler
	29. Captain Medero.....	Dreamland.....	Unknown
	Asst. Surg. Mate Hageman.....	Dreamland.....	Sol Brady
	Aug. 4. Coxswain W. J. Hotte.....		
	Jr. Lieut. W. Clarkson.....	Dreamland.....	D. Asalvin
	9. Commodore J. Mers.....		
July	12. Surg. Mate Gilchrist.....	Dreamland.....	Dora Cohen
	22. Surg. Mate A. Barker.....	Thale.....	R. Bashlian
Aug.	25. Coxswain G. Rouse.....	Thale.....	Joe. Trainer
	19. Captain A. Guerin.....	Thale.....	Unknown girl
Mar.	18. Captain Connor.....	Sheepshead Bay.....	Jack Kel y
June	23. Boatwain Ed. Guillet.....	Sheepshead Bay.....	Gus Andreen
July	1. Surfman Pearson.....	Sheepshead Bay.....	W. Arnfuld
	Surfman Pearson.....	Sheepshead Bay.....	J. Euster
	4. Surfmen Pearson and Sloane.....	Sheepshead Bay.....	C. Smilowits
	Asst. Surg. Mate Guillet.....	Sheepshead Bay.....	2 people
	5. Captain Connor.....	Sheepshead Bay.....	Wm. Dremer
	Asst. Surg. Mate Ed. Guillet.....	Sheepshead Bay.....	V. Mehling
	Sr. Lieut. Acker.....	Sheepshead Bay.....	E. Dicker
	Surfman Green and Boatwain McNeil.....	Sheepshead Bay.....	J. Slotnick

Date 1917	Member making rescue	Place where	Person rescued
July	6. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Dorothy Milton
	7. Surfman C. Pearson.....	Sheepshead Bay.....	Geo. Gansale
	Surfman E. Stymer.....	Sheepshead Bay.....	John Godnick
	Captain Connor.....	Sheepshead Bay.....	Angelo Duszardo
	8. Surfman Beck.....	Sheepshead Bay.....	Unknown
	14. Surfman McNamara.....	Sheepshead Bay.....	Helen McCarthy
	20. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Name refused
	20. Boatswain Ed. Guillet.....	Sheepshead Bay.....	Douglas Drayton
	22. Robert Burke.....	Sheepshead Bay.....	Name refused
	Captain Scully.....	Sheepshead Bay.....	Emanuel Speigel
	20. Surfman E. Stymer.....	Sheepshead Bay.....	Joe Deper
	Surfman Burke.....	Sheepshead Bay.....	Arthur Christensen
	Captain Scully.....	Sheepshead Bay.....	Fred Nelson
Aug.	1. Surfman C. Pearson.....	Sheepshead Bay.....	Frank Furino
	Crew.....	Sheepshead Bay.....	Henretta Efferen
	Captain Connor.....	Sheepshead Bay.....	75 people
	Surfman Le Roy De Mott.....	Sheepshead Bay.....	Unknown
	H. Granala, citizen.....	Sheepshead Bay.....	Florence Beaton
	Captain Connor.....	Sheepshead Bay.....	Frank Gardener
	Boatswain Ed. Guillet.....	Sheepshead Bay.....	Unknown
	2. Surfman Siems.....	Sheepshead Bay.....	Harold Schwartz
	4. Surfman Ed Stymer.....	Sheepshead Bay.....	Unknown
	Surfman C. Pearson.....	Sheepshead Bay.....	John Killgallen
	5. Captain Connor.....	Sheepshead Bay.....	Howard Brown
	Captain Connor.....	Sheepshead Bay.....	Joseph Palmer
	Capt. Scully Emergency Crew..	Sheepshead Bay.....	Unknown
	7. Surfman Sloane.....	Sheepshead Bay.....	Philip Groygo
	8. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Joseph Vinolla
	9. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Lillian Walsh
	12. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Vincent Sano
	Surfman Siems.....	Sheepshead Bay.....	Unknown man
	19. Capt. Connor.....	Sheepshead Bay.....	Leslie Kats
	Capt. Scully Emergency Crew..	Sheepshead Bay.....	Edwin Fanning
	Capt. Scully Emergency Crew..	Sheepshead Bay.....	Unknown woman and children
	22. Surfman Siems.....	Sheepshead Bay.....	Harry Meager
	Surfman Siems.....	Sheepshead Bay.....	Charles Rosner
June	17. Surfman Wm. Hennessy.....	Sea Beach.....	Chris Easley, Jr.
Aug.	19. Jr. Lieut. Paul Schwartz.....	Sea Beach.....	Unknown babies
March	29. Capt. Henry Brown.....	Gravesend Bay.....	Fred Webber
April	6. Surfman Anthony Lombardi..	Gravesend Bay.....	Tony Labraca
July	16. Capt. Henry Brown.....	Gravesend Bay.....	Joseph Bruno
	20. Surfman Joseph Doyle.....	Gravesend Bay.....	Aristo Sorvilla
Aug.	20. Surfman Joseph Doyle.....	Gravesend Bay.....	Samuel Washing
Nov.	3. Capt. Henry Brown.....	Gravesend Bay.....	Ignasio Angelo
	Capt. Henry Brown.....	Gravesend Bay.....	Tony Pumo
	Capt. Henry Brown.....	Gravesend Bay.....	Carlo Ricca
	Capt. Henry Brown.....	Gravesend Bay.....	Christopher Feneri
	Capt. Henry Brown.....	Gravesend Bay.....	Ralph D'Angelo
July	26. Vice-Commodore Harry Stiglin.	39th Street Ferry.....	Louis Feidenhumer

BOATS ASSISTED

Date 1917	Member giving assistance	Place where	Boats assisted
June	24. St. Lieut. Hackenberger.....	Thalls.....	Capt. Brown's yacht "Roamer"
June	3. Sr. Lieut. Billy Acker.....	Sheepshead Bay.....	Unknown
	Capt. Scully Emergency Crew..	Sheepshead Bay.....	John Roychamp and boat

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Date 1917	Member giving assistance	Place where	Boats assisted
June	3. Sr. Lieut. Acker and Captain Scully.....	Sheepshead Bay.....	Chas. Shaw and boat
	Sr. Lieut. Acker and Captain Scully.....	Sheepshead Bay.....	Joe Radford and boat
	17. Sr. Lieut. Acker and Captain Scully.....	Sheepshead Bay.....	Sail boat "Madcap"
	18. Captain Connor and Ed Guillet.	Sheepshead Bay.....	E. Sennet and canoe
	2p. Surfman Reppa and Captain Connor.....	Sheepshead Bay.....	Unknown person and boat
	21. Surfman Reppa and Captain Connor.....	Sheepshead Bay.....	Unknown person and canoe
July	5. Sr. Lieut. Acker and Surfman Burke.....	Sheepshead Bay.....	T. Cheque and canoe
Sept.	5. Sr. Lieut. Acker, Mers and Harris.....	Sheepshead Bay.....	Motor boat "Billy B"
June	3. Surfman C. Madden.....	Dyker Beach.....	Motor boat and two persons
July	13. Surfman C. Madden.....	Dyker Beach.....	Skiff
Sept.	3. Surfmen T. Perry and McCann.	Dyker Beach.....	Motor boat
Oct.	9. Capt. Peter McGreal.....	Dyker Beach.....	Launch
July	4. Surg. Mate V. Collora.....	Sea Beach.....	20 ft. Dory and four persons
	Surg. Mate V. Collora.....	Sea Beach.....	Row Boat and seven persons
Sept.	3. Surfman J. W. Cole.....	Sea Beach.....	Motor Boat
	6. Surg. Mate V. Collora.....	Sea Beach.....	Motor Boat
June	12. Captain Henry Brown.....	Gravesend Bay.....	Row Boat
July	14. Captain Henry Brown.....	Gravesend Bay.....	Motor Boat

BODIES RECOVERED

Date 1917	Member giving assistance	Place where	Bodies recovered
July	14. Captain Schilling, Surfman Farrell, O. Miles, Boatwain Harrison and Captain Mueller...	Dreamland.....	Isaac Austin
June	4. Sr. Lieut. Acker.....	Sheepshead Beach.....	Unknown
	29. Coxswain Scully.....	Sheepshead Beach.....	Albert Schults
July	22. Captain Connor.....	Sheepshead Beach.....	Moe Oxenham
	24. Captain Connor and Jr. Lieut. Carney and Boatwain Guillet and Surfman Siems.....	Sheepshead Beach.....	Harry Greene
Aug.	1. Captain Connor.....	Sheepshead Bay Point.....	Dorothy Berston
	6. Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Willis Fulton
	14. Captain Connor.....	Point Breeze.....	Nat Rosenberg

WRECKAGE

Date 1917	Members giving assistance	Place where	Wreckage removed
May	27. Crew of Dreamland Station....	Dreamland Beach.....	Large beams, boards, bones, etc.
July	1. Sr. Lieut. Hackenberger.....	Thalls.....	Water soaked log.
	24. Sr. Lieut. Hackenberger.....	Thalls.....	Large Log
Aug.	22. Surfmen Siems & De Mott....	Sheepshead Beach.....	Two Spiles and three buckets of glass

FIRES EXTINGUISHED

Date 1917	Member making rescue	Place where	Fires extinguished
July	3. Crew of Station.....	Sheepshead Bay.....	Boat "Lillian B"

BOROUGH OF BRONX

FIRST AID

PORT MORRIS DIVISION

Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	23. Surfman Otto Goehl.....	Port Morris Station.....	Francis Murray
	Surfman Chas. Schibaum.....	Port Morris Station.....	Alexander Morris
	Surfman George Looschen.....	Port Morris Station.....	Alfred Moscio
	Surfman Philip Green.....		
	Surfman W. Dankner.....		
July	26. Surfman Chas. Schibaum.....	Port Morris Station.....	A. McCabe
	27. Surfman John Murray.....	Port Morris Station.....	Henry Hermen
	30. Surfman John Murray.....	Port Morris Station.....	Louis Stein
	2. Surfman George Looschen.....	Port Morris Station.....	Albert Hillard
	Surfman George Looschen.....	Port Morris Station.....	Harry Low
	Surfman George Looschen.....	Port Morris Station.....	Wm. Sheldon
	Surfman George Looschen.....	Port Morris Station.....	Fred Bishe
	Surfman J. Giles.....	Port Morris Station.....	Lillian Irving
	Surfman J. Giles.....	Port Morris Station.....	S. Kleinman
	3. Surfman Chas. Schibaum.....	Port Morris Station.....	Saul Mendelson
	6. Boatwain H. Turnier.....	Port Morris Station.....	John Kesser
	14. Surfman Philip Green.....	Port Morris Station.....	John Helbert
	Surfman George Looschen.....	Port Morris Station.....	Mrs. Mary Cher
	Surfman Philip Green.....		
	15. Surfman Otto Goehl.....	Port Morris Station.....	Joseph Policastri
	Surfman Otto Goehl.....	Port Morris Station.....	John Policastri
	Surfman Otto Goehl.....	Port Morris Station.....	Edna Hirsch
	Surfman John Giles.....	Port Morris Station.....	Benj. Fraser
	18. Surfman George Looschen.....	Port Morris Station.....	J. Vincel
	Surfman George Looschen.....	Port Morris Station.....	S. Blumberg
	19. Surfman Otto Goehl.....	Port Morris Station.....	Andrew Blum
	20. Surfman Chas. Schibaum.....	Port Morris Station.....	James Roch
	Surfman Chas. Schibaum.....	Port Morris Station.....	Edith Kloo
	Surfman Chas. Schibaum.....	Port Morris Station.....	J. Mulvey
	Surfman George Looschen.....		
	Surfman George Looschen.....	Port Morris Station.....	Stanley True
	23. Surfman Otto Goehl.....	Port Morris Station.....	Chas. Scully
	Surfman Otto Goehl.....	Port Morris Station.....	A. Mehmel
	Jr. Lieut. Harry Thibaud.....	Port Morris Station.....	Harry Allen
	25. Surfman Peter Drummond.....	Port Morris Station.....	George Franklin
	Surfman Otto Goehl.....	Port Morris Sta ion.....	Otto Maier
	Surfman Herman Dankner.....	Port Morris Station.....	P. Uhler
	26. Surfman Herman Dankner.....	Port Morris Station.....	I. Ganowitz
	Surfman Herman Dankner.....	Port Morris Station.....	F. Compton
	27. Surfman Herman Dankner.....	Port Morris Station.....	M. Egan
	Surfman George Looschen.....	Port Morris Station.....	Harry Thibaud
	28. Surfman George Looschen.....	Port Morris Station.....	Joe Palsdo
	Surfman Herman Dankner.....	Port Morris Station.....	Fred Chander
	29. Surfman James Wynne.....	Port Morris Station.....	Morris Rosenbaum
	30. Surfman Wm. Dankner.....	Port Morris Station.....	Sam Levine
	Surfman Wm. Dankner.....	Port Morris Station.....	I. Geduld
	Surfman James Wynne.....	Port Morris Station.....	John Gribbin
	Surfman Wm. Dankner.....	Port Morris Station.....	S. Cleary
	Surfman John Giles.....	Port Morris Station.....	Louis Garfinkle
	Surfman James Wynne.....	Port Morris Station.....	John Neustadt
	Mrs. J. Rehm.....	Port Morris Station.....	W. Kratsenberg
Aug.	1. Surfman Otto Goehl.....	Port Morris Station.....	Albert Mutch
	Surfman Herman Dankner.....	Port Morris Station.....	Nathan Levine
	Surfman Edward Fischer.....	Port Morris Station.....	Sam Goldberg

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	1. Surfman Otto Goehl.....	Port Morris Station.....	Andrew Wakand
	Surfman Wm. Dankner.....	Port Morris Station.....	J. Gunn
	Surfman Wm. Dankner.....	Port Morris Station.....	H. Ross
	Surfman Wm. Dankner.....	Port Morris Station.....	J. Burke
	2. Surfman Wm. Dankner.....	Port Morris Station.....	L. Meisel
	3. Surfman Herman Dankner.....	Port Morris Station.....	Chas. Bloom
	4. Surfman Philip Green.....	Port Morris Station.....	Otto Goehl
	5. Surfman Wm. Platte.....	Port Morris Station.....	John Hanson
	Surfman Philip Greene.....		
	Surfman Wm. Platte.....	Port Morris Station.....	Thos. Cashman
	Sr. Lieut. Mathew Cash.....	Port Morris Station.....	P. Bushlowis
	Surfman Herman Dankner.....	Port Morris Station.....	D. Pirossi
	8. Surfman Herman Dankner.....	Port Morris Station.....	Frank Anderson
	Surfman Herman Dankner.....	Port Morris Station.....	M. Pomerants
	9. Surfman James Wynne.....	Port Morris Station.....	I. Miller
	Surfman Chas. Schibaum.....	Port Morris Station.....	Harold Mensen
	12. Mrs. J. Rehm.....	Port Morris Station.....	F. Breitenbecker
	13. Surfman Otto Goehl.....	Port Morris Station.....	Harry Wicker
	Surfman Herman Dankner.....	Port Morris Station.....	M. Davir
	14. Surfman Herman Dankner.....	Port Morris Station.....	Fred Krausch
	Surfman Herman Dankner.....	Port Morris Station.....	A. Senwald
	15. Surfman Otto Goehl.....	Port Morris Station.....	James Ciminio
	Surfman Otto Goehl.....	Port Morris Station.....	Hymen Glass
	Surfman Otto Goehl.....	Port Morris Station.....	Sam Kline
	Surfman Herman Dankner.....	Port Morris Station.....	Florence Cannon
	17. Surfman Chas. Schibaum.....	Port Morris Station.....	P. Moore
	18. Surfman Philip Greene.....	Port Morris Station.....	Arthur Glass
	Surfman Chas. Schibaum.....		
	Surfman Otto Goehl.....	Port Morris Station.....	Nora Larsen
	Surfman M. Jackowski.....		
	Surfman Chas. Chibaum.....	Port Morris Station.....	Wm. Shannon
	20. Surfman Herman Dankner.....	Port Morris Station.....	Benj. Fraser
	Surfman Wm. Dankner.....		
	Surfman Herman Dankner.....	Port Morris Station.....	Vincent Stanley
	Surfman Otto Goehl.....		
	Surfman George Looschen.....	Port Morris Station.....	Unknown
	Surfman John Giles.....		
	21. Surfman Chas. Schibaum.....	Port Morris Station.....	Raymond McNamara
	24. Surfman John Giles.....	Port Morris Station.....	G. Sandblon
	Surfman Herman Dankner.....	Port Morris Station.....	Milton Heimbach
	Auxiliary M. Jackowski.....	Port Morris Station.....	J. Rogthberg
	26. Surfman John Giles.....	Port Morris Station.....	Gilbert Heetad
	Surfman John Giles.....	Port Morris Station.....	Thos. Hargrove
	Surfman John Giles.....	Port Morris Station.....	Martin Holiday
	Surfman James Wynne.....	Port Morris Station.....	Edward Beatus
	Surfman James Wynne.....	Port Morris Station.....	Peter Bocco
	27. Surfman Edward Fischer.....	Port Morris Station.....	Anna Sagan
	Surfman George Looschen.....	Port Morris Station.....	John Reilly
	28. Surfman Peter Drummond.....	Port Morris Station.....	Joseph Brown
	Surfman Otto Goehl.....	Port Morris Station.....	Thomas Nelly
	31. Surfman James Wynne.....	Port Morris Station.....	George Smith
Sept.	2. Surfman George Looschen.....	Port Morris Station.....	James Osterman
	Surfman Herman Dankner.....		
	3. Surfman John Giles.....	Port Morris Station.....	S. Goldberg
	Surfman Herman Dankner.....	Port Morris Station.....	James Fitzmaurice
	Surfman Herman Dankner.....	Port Morris Station.....	James Fitzmaurice, Jr.
	Surfman John Giles.....	Port Morris Station.....	Selma Goldberg
	6. Auxiliary M. Jackowski.....	Port Morris Station.....	Peter Goralsyk
Oct.	2. Mrs. J. Rehm.....	Port Morris Station.....	Mrs. Sandsberg
	Mrs. J. Rehm.....	Port Morris Station.....	George Looschen

STATE OF NEW YORK

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Oct.	7. Mrs. J. Rehm.....	Port Morris Station.....	M. Freidenreich
	17. Mrs. J. Rehm.....	Port Morris Station.....	J. McCouluough
	27. Mrs. J. Rehm.....	Port Morris Station.....	Robert Roach
Nov.	4. Mrs. J. Rehm.....	Port Morris Station.....	A. Raven

BARRETTO POINT DIVISION

June	17. Coxswain W. E. Schupbach.....	Barretto Point Station.....	Otto Goebel
	23. Coxswain W. E. Schupbach.....	Barretto Point Station.....	William Sayott
	Surfman C. Westervelt.....		
	24. Coxswain W. E. Schupbach.....	Barretto Point Station.....	K. Walder
July	27. Surfman F. Adams.....	Barretto Point Station.....	H. Primoshire
	Coxswain W. Schupbach.....		
	9. Coxswain W. Schupbach.....	Barretto Point Station.....	J. Mulholland
	12. Surfman F. Adams.....	Barretto Point Station.....	Quincy Adams
	13. Surfman F. Adams.....	Barretto Point Station.....	J. Mulholland
	Coxswain W. Schupbach.....		
	Surfman F. Adams.....	Barretto Point Station.....	H. Primoshire
	Captain F. Effinger.....		
	14. Captain F. Effinger.....	Barretto Point Station.....	Robert Ingebrand
	17. Surfman F. Adams.....	Barretto Point Station.....	Miss Carpenter
Aug.	21. Surfman F. Adams.....	Barretto Point Station.....	Henry Molusky
	23. Surfman F. Adams.....	Barretto Point Station.....	S. Adams
	27. Boatswain W. VonSeggern.....	Barretto Point Station.....	Charles Sturgis
	28. Surfman F. Adams.....	Barretto Point Station.....	Edward Carlsen
	Captain F. C. Effinger.....	Barretto Point Station.....	Janette Keil
	29. Coxswain W. Schupbach.....	Barretto Point Station.....	Jack Nelson
	Boatswain W. VonSeggern.....	Barretto Point Station.....	Robert Ingebrand
	30. Coxswain W. Schupbach.....	Barretto Point Station.....	Miss E. Levinson
	Coxswain W. Schupbach.....	Barretto Point Station.....	Robert Brown
	31. Surfman C. Werner.....	Barretto Point Station.....	John Darhanasoff
	Surfman C. Werner.....	Barretto Point Station.....	George Solais
	1. Surfman F. Adams.....	Barretto Point Station.....	L. Lieberman
	Surfman F. Adams.....	Barretto Point Station.....	M. Block
	Surfman Samuel Strisver.....	Barretto Point Station.....	Anna Jacoby
	Surfman F. Adams.....	Barretto Point Station.....	L. Branaky
	2. Coxswain W. Schupbach.....	Barretto Point Station.....	Joe Mulholland
	3. Vice-Commodore Franklin.....	Barretto Point Station.....	George Ryan
	5. Coxswain W. Schupbach.....	Barretto Point Station.....	Daniel Cook
	Vice-Commodore Franklin.....	Barretto Point Station.....	S. Levy
	Vice-Commodore Franklin.....	Barretto Point Station.....	S. Cooper
	11. Surfman C. Werner.....	Barretto Point Station.....	W. VonSeggern
	Coxswain W. Schupbach.....	Barretto Point Station.....	E. Carlsen
Sept.	12. Coxswain W. Schupbach.....	Barretto Point Station.....	Wm. Carlsen
	14. Coxswain W. Schupbach.....	Barretto Point Station.....	J. Hilowsky
	15. Coxswain W. Schupbach.....	Barretto Point Station.....	Francis Sattler
	Coxswain W. Schupbach.....	Barretto Point Station.....	J. Sweeny
	17. Surfman S. Strisver.....	Barretto Point Station.....	V. Delybori
	18. Coxswain W. Schupbach.....	Barretto Point Station.....	E. Carlsen
	Surfman C. Werner.....	Barretto Point Station.....	Fred Samicols
	Surfman F. Adams.....	Barretto Point Station.....	E. Brown
	Officer Chas. Sturges.....		
	Coxswain W. Schupbach.....	Barretto Point Station.....	Miss F. Kelly
	Coxswain W. Schupbach.....	Barretto Point Station.....	W. Carlsen
	Coxswain W. Schupbach.....	Barretto Point Station.....	E. Mulholland
	Coxswain W. Schupbach.....	Barretto Point Station.....	Edward Carlsen
	26. Boatswain W. VonSeggern.....	Barretto Point Station.....	W. Carlsen
Sept.	Boatswain W. VonSeggern.....	Barretto Point Station.....	Ernest Octan
	Coxswain W. Schupbach.....	Barretto Point Station.....	Wm. Bleich
	Boatswain W. VonSeggern.....	Barretto Point Station.....	Unknown woman

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ORCHARD BEACH DIVISION

Date 1917	Members rendering "first aid"	Place where	Persons assisted
May	26. Commodore Edward F. Otto...	Orchard Beach Station.....	Mr. Murphy
	30. Boatswain P. C. Knell.....	Orchard Beach Station.....	H. Johnson
	Boatswain P. C. Knell.....	Orchard Beach Station.....	W. Bowde
	Boatswain P. C. Knell.....	Orchard Beach Station.....	Milton Feinburg
June	1. Surfman J. Kafka.....	Orchard Beach Station.....	Bertha Weider
	3. Dr. Oserman, Fordham Hosp..	Orchard Beach Station.....	Wm. Oswald
	Boatswain P. C. Knell.....	Orchard Beach Station.....	Leonard Hapin
	Dr. Oserman, Fordham Hosp..	Orchard Beach Station.....	William Beck
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Joe Peson
	17. Commodore Edward F. Otto...	Orchard Beach Station.....	Chester Schults
	18. Surfman A. Gonne.....	Orchard Beach Station.....	G. Coughlin
	24. Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	H. Cole
	Boatswain P. C. Knell.....	Orchard Beach Station.....	Wm. Siegel
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Leroy Vaseor
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	B. Rosenschwein
	Boatswain P. C. Knell.....	Orchard Beach Station.....	B. Isaacson
	Boatswain P. C. Knell.....	Orchard Beach Station.....	J. Ranbert
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	L. Weiss
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Frank Caruso
	Boatswain P. C. Knell.....	Orchard Beach Station.....	E. Fel
	Boatswain P. C. Knell.....	Orchard Beach Station.....	Sam Suer
	Boatswain P. C. Knell.....	Orchard Beach Station.....	D. Silverman
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	R. Ruissiaux
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Fred Suth
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	John Rosenblatt
	Boatswain P. C. Knell.....	Orchard Beach Station.....	D. Sein
	Boatswain P. C. Knell.....	Orchard Beach Station.....	Anna Rosenblum
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	A. Fischer
	Commodore Edward F. Otto...	Orchard Beach Station.....	John Smith
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Chas. Goldbaum
	27. Surfman A. Gonne.....	Orchard Beach Station.....	Leonard Sidle
	28. Surfman A. Gonne.....	Orchard Beach Station.....	F. Murray
	Surfman A. Gonne.....	Orchard Beach Station.....	H. A. Hahl
	29. Surfman A. Gonne.....	Orchard Beach Station.....	A. Kalb
	30. Commodore Edward F. Otto...	Orchard Beach Station.....	C. Phearhaus
	Commodore Edward F. Otto...	Orchard Beach Station.....	David Davis
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Mrs. Schults
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Harry Cohen
	Surfman A. Gonne.....	Orchard Beach Station.....	Paul Rothberg
	Surfman A. Gonne.....	Orchard Beach Station.....	William Spier
	Surfman A. Gonne.....	Orchard Beach Station.....	Samuel Green
	Surfman A. Gonne.....	Orchard Beach Station.....	Philip Cohen
July	1. Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	Oscar Civen
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Winkoff Leo
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	D. Pincus
	Commodore Edward F. Otto...	Orchard Beach Station.....	M. Rockheimer
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	J. Eichler
	Surfman J. Kafka.....	Orchard Beach Station.....	H. H. Happ
	Surfman J. Kafka.....	Orchard Beach Station.....	Herman Goldstein
	Surfman J. Kafka.....	Orchard Beach Station.....	Ruben Marks
	Commodore Edward F. Otto...	Orchard Beach Station.....	Harry Rosenblum
	Boatswain P. C. Knell.....	Orchard Beach Station.....	L. Waxman
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	M. Kirschner
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Lillian Wiederman
	Jr. Lieut. J. R. Winans.....	Orchard Beach Station.....	E. Stang
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	A. Fierman
	Boatswain P. C. Knell.....	Orchard Beach Station.....	M. Schutael
	Commodore Edward F. Otto...	Orchard Beach Station.....	Moses Elisberg
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Jack Comer

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	1. Boatswain P. C. Knell.....	Orchard Beach Station.....	William Abbensmuth
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Harry Fisherman
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	John Pelot
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	William Thierwig
	Boatswain P. Knell.....	Orchard Beach Station.....	Anthony Zaughir
	2. Boatswain P. Knell.....	Orchard Beach Station.....	Herman Jacobs
	Boatswain P. Knell.....	Orchard Beach Station.....	Joseph Delia
	Boatswain P. Knell.....	Orchard Beach Station.....	E. DeMartina
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Ester Messer
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Joseph Brodigan
	4. Boatswain P. Knell.....	Orchard Beach Station.....	Robert Schweatser
	Surfman J. Kafka.....	Orchard Beach Station.....	Herman Kuts
	Surfman J. Kafka.....	Orchard Beach Station.....	F. Blumberg
	Surfman J. Kafka.....	Orchard Beach Station.....	Harry Marcus
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	M. Golden
	Surfman J. Kafka.....	Orchard Beach Station.....	N. Berry
	Surfman J. Kafka.....	Orchard Beach Station.....	Annie Cohen
	Surfman J. Kafka.....	Orchard Beach Station.....	Philip Abbe
	Surfman J. Kafka.....	Orchard Beach Station.....	Jack Striver
	Surfman J. Kafka.....	Orchard Beach Station.....	I. Hayward
	Surfman J. Kafka.....	Orchard Beach Station.....	E. Jacobs
	Surfman J. Kafka.....	Orchard Beach Station.....	Paul Wexler
	Surfman J. Kafka.....	Orchard Beach Station.....	David Levine
	Surfman J. Kafka.....	Orchard Beach Station.....	Miss S. Kashman
	Surfman J. Kafka.....	Orchard Beach Station.....	D. Sterkin
	Surfman J. Kafka.....	Orchard Beach Station.....	Morris Horten
	Surfman J. Kafka.....	Orchard Beach Station.....	E. Dougherty
	Surfman J. Kafka.....	Orchard Beach Station.....	Sam Bluestein
	7. Commodore Edw. F. Otto.....	Orchard Beach Station.....	Edward Green
	Surfman A. Gonne.....	Orchard Beach Station.....	Charles Glass
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Mrs. Geo. Meisner
	8. Dr. Janes, Fordham Hospital..	Orchard Beach Station.....	Nathan Prussin
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Charles Marcus
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	William Gottesman
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Isadore Malamund
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Edward Schnabel
	Boatswain P. Knell.....	Orchard Beach Station.....	J. Feinberg
	Boatswain P. Knell.....	Orchard Beach Station.....	A. Simmons
	Surfman J. Kafka.....	Orchard Beach Station.....	Jacob Klein
	Captain J. Lamb.....	Orchard Beach Station.....	L. Whitestone
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Edith Betten
	13. Boatswain P. Knell.....	Orchard Beach Station.....	Herman Abis
	Boatswain P. Knell.....	Orchard Beach Station.....	Milton Frankfort
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Alfred Weiss
	Surfman A. Gonne.....	Orchard Beach Station.....	G. Picchianti
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Florence Strong
	14. Jr. Lieut. J. Winans.....	Orchard Beach Station.....	H. Shelaiky
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Fred Klein
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	S. Thompson
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Robert Feldman
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Louis Siegel
	15. Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Herman Minsen
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Joseph Celmas
	Capt. J. Lamb.....	Orchard Beach Station.....	Otto Grossman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Alex Williams
	Captain J. Lamb.....	Orchard Beach Station.....	Joseph Rubenstein
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	A. Costabile
	16. Commodore Edw. F. Otto.....	Orchard Beach Station.....	Frank Bellino
	17. Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Alfred Stillman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	S. Hammerwitz

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 93

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	17. Jr. Lieut. J. Winans	Orchard Beach Station	C. Gamby
	Dr. Dexter, Lincoln Hospital ..	Orchard Beach Station	M. Martin
	18. Jr. Lieut. J. Winans	Orchard Beach Station	Marion Gutch
	Jr. Lieut. J. Winans	Orchard Beach Station	Nora Geddis
	Jr. Lieut. J. Winans	Orchard Beach Station	Arthur Weiner
	19. Jr. Lieut. J. Winans	Orchard Beach Station	A. Baumann
	20. Jr. Lieut. J. Winans	Orchard Beach Station	Stanley Homsen
	Jr. Lieut. J. Winans	Orchard Beach Station	J. O'Rourke
	Jr. Lieut. J. Winans	Orchard Beach Station	Wm. Kronenberg
	21. Dr. Lowenstein, Fordham Hosp.	Orchard Beach Station	Benj. Singer
	Surfman J. Kafka	Orchard Beach Station	William Howits
	Surfman J. Kafka	Orchard Beach Station	Arthur Davis
	Surfman J. Kafka	Orchard Beach Station	P. Schulman
	Dr. Janes, Fordham Hospital ..	Orchard Beach Station	Benj. Servia
	22. Surfman J. Kafka	Orchard Beach Station	Morris Goldstein
	Surfman J. Kafka	Orchard Beach Station	Fam Lef
	Surfman J. Kafka	Orchard Beach Station	M. Goldman
	Surfman J. Kafka	Orchard Beach Station	Moses Elisberg
	Surfman J. Kafka	Orchard Beach Station	Martha Luvowits
	Surfman Goldschmidt	Orchard Beach Station	A. Gerstein
	Surfman J. Kafka	Orchard Beach Station	Adolph Tatonier
	Surfman J. Kafka	Orchard Beach Station	Max Markowits
	Surfman J. Kafka	Orchard Beach Station	A. Kusneroson
	Surfman J. Kafka	Orchard Beach Station	Grace Peters
	Dr. Janes, Fordham Hospital ..	Orchard Beach Station	Belle Troshinsky
	Surfman J. Kafka	Orchard Beach Station	H. Davis
	Surfman J. Kafka	Orchard Beach Station	D. Ascher
	Jr. Lieut. J. Winans	Orchard Beach Station	Louis Berkowits
	Surfman J. Kafka	Orchard Beach Station	Charles Richy
	Surfman J. Kafka	Orchard Beach Station	Thomas Martin
	Surfman J. Kafka	Orchard Beach Station	Paul Robin
	Surfman J. Kafka	Orchard Beach Station	E. Dowling
	Jr. Lieut. J. Winans	Orchard Beach Station	P. Martino
	Jr. Lieut. J. Winans	Orchard Beach Station	Frank Ferraro
	Dr. Lowenstein, Fordham Hosp.	Orchard Beach Station	L. Kramer
	Sr. Lieut. D. Constable	Orchard Beach Station	Saul Lanza
	Dr. Lowenstein, Fordham Hosp.	Orchard Beach Station	Samuel Wander
	Surfman J. Kafka	Orchard Beach Station	Max Schwarts
	Dr. Janes, Fordham Hospital ..	Orchard Beach Station	Helen Holzman
	25. Surfman J. Kafka	Orchard Beach Station	Theodore Ganun
	Commodore Edw. F. Otto	Orchard Beach Station	T. Clohiay
	Surfman J. Kafka	Orchard Beach Station	John Bruggeman
	26. Commodore Edw. F. Otto	Orchard Beach Station	William Newman
	Commodore Edw. F. Otto	Orchard Beach Station	Henry Albern
	Commodore Edw. F. Otto	Orchard Beach Station	Benj. Myers
	Commodore Edw. F. Otto	Orchard Beach Station	George Flaxman
	Surfman J. Kafka	Orchard Beach Station	Bernard Freid
	Commodore Edw. F. Otto	Orchard Beach Station	Joseph Bartel
	27. Commodore Edw. F. Barell ..	Orchard Beach Station	Bruno DePres
	28. Surfman J. Kafka	Orchard Beach Station	Herman Davis
	Surfman A. Gonne	Orchard Beach Station	Benj. Frohman
	Surfman J. Kafka	Orchard Beach Station	M. Bass
	Surfman J. Kafka	Orchard Beach Station	Fred Bivona
	Dr. Kierman, Fordham Hosp. ..	Orchard Beach Station	John Sweet
	Commodore Edw. F. Otto	Orchard Beach Station	Paul Ruseman
	Dr. Janes, Fordham Hospital ..	Orchard Beach Station	Z. Mand
	Surfman A. Gonne	Orchard Beach Station	A. Ventuna
	29. Surfman J. Kafka	Orchard Beach Station	Howard Bentley
	Surfman J. Kafka	Orchard Beach Station	A. Faber
	Surfman J. Kafka	Orchard Beach Station	David Ducatman

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	29. Surfman J. Kafka.....	Orchard Beach Station.....	J. Margois
	Surfman J. Kafka.....	Orchard Beach Station.....	Michael Saverse
	Surfman J. Kafka.....	Orchard Beach Station.....	Arthur Brown
	Surfman J. Kafka.....	Orchard Beach Station.....	Z. Scherisky
	Surfman J. Kafka.....	Orchard Beach Station.....	Arthur Freeman
	Surfman J. Kafka.....	Orchard Beach Station.....	Arthur Falkman
	Surfman J. Kafka.....	Orchard Beach Station.....	Henry Rappaport
	Surfman J. Kafka.....	Orchard Beach Station.....	Frank Siegel
	Surfman J. Kafka.....	Orchard Beach Station.....	John Holland
	Surfman J. Kafka.....	Orchard Beach Station.....	Joseph Steigman
	Dr. Janes, Fordham Hospital..	Orchard Beach Station.....	S. Sherman
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Schneiderman
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	James Malone
	Dr. Lowenstein, Fordham.....	Orchard Beach Station.....	D. Mehanan
	Surfman J. Kafka.....	Orchard Beach Station.....	Sarah Weisman
	Surfman J. Kafka.....	Orchard Beach Station.....	James Freiland
	30. Commodore Edw. F. Otto.....	Orchard Beach Station.....	Murray Reiman
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	John Pagliaro
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Paul Weinstein
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Charles Levine
	31. Commodore Edw. F. Otto.....	Orchard Beach Station.....	David Davies
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Morris Kotick
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	I. Weinstein
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Mrs. A. J. Stowe
Aug.	1. Surfman A. Gonne.....	Orchard Beach Station.....	Helen Everette
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Anthony Bertore
	Jr. Lieut. Winans.....	Orchard Beach Station.....	Max Madell
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Jacob Machebel
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Arthur Herman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	I. Kusnitzof
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Ernest Nigelo
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Edward Rose
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Goldin
	Surfman J. Kafka.....	Orchard Beach Station.....	S. Lazzaro
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Isaac Gitlen
	Surfman J. Kafka.....	Orchard Beach Station.....	Henrietta Fiechler
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	I. Goller
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Max Block
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Ben Epstein
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	C. Gessmunn
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Philip Loeb
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Sam Ruskin
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Richard Lord
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Sidney Bernstein
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Harry Kemler
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Abe Barkin
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	F. Kirschmood
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Albert Behl
	2. Jr. Lieut. J. Winans.....	Orchard Beach Station.....	F. Rudko
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Louis Kingdon
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	May Weiss
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Mrs. E. Stoltz
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Frank Farnbacci
	Dr. Osserman, Fordham Hosp..	Orchard Beach Station.....	Mrs. Julia Medes
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Harold Bergman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Irving Jacoby
	3. Surfman A. Gonne.....	Orchard Beach Station.....	Martha Prince
	Surfman A. Gonne.....	Orchard Beach Station.....	M. Pagliaro
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Rose Bing
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Sam Feldman

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 95

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	4. Boatwain P. Knell.....	Orchard Beach Station.....	Charles Block
	Dr. Lowenstein, Fordham Hosp.	Orchard Beach Station.....	T. Gundlach
	Dr. Lowenstein, Fordham Hosp.	Orchard Beach Station.....	Sam Torner
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Maurice Teich
	Boatswain P. Knell.....	Orchard Beach Station.....	G. Soldgier
	Surfman Hoefler.....	Orchard Beach Station.....	J. Robins
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Julius Meahberg
	5. Surfman A. Gonne.....	Orchard Beach Station.....	Sam Salvio
	Surfman A. Gonne.....	Orchard Beach Station.....	Helen Levy
	Surfman A. Gonne.....	Orchard Beach Station.....	Gussie Lipets
	Surfman A. Gonne.....	Orchard Beach Station.....	Chas. Guetner
	Surfman A. Gonne.....	Orchard Beach Station.....	Albert Weiss
	Surfman J. Kafka.....	Orchard Beach Station.....	Max Ferber
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Orloff
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	H. Greenstein
	Surfman J. Kafka.....	Orchard Beach Station.....	Gertrude Hagsuk
	Surfman J. Kafka.....	Orchard Beach Station.....	Ester Rothmann
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Abraham Rosenblum
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	I. Rappaport
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Morris Herman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Jerry Smith
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	M. Adler
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Morris Klesman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Nathalie Levey
	Surfman J. Kafka.....	Orchard Beach Station.....	Morris Brown
	Boatswain P. Knell.....	Orchard Beach Station.....	P. Zevey
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	M. Shalkman
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	I. Kopplef
	Surfman J. Kafka.....	Orchard Beach Station.....	Alexander Mianoff
	Surfman A. Gonne.....	Orchard Beach Station.....	L. Notorbarlo
	Surfman A. Gonne.....	Orchard Beach Station.....	Charles Mahler
	Surfman J. Kafka.....	Orchard Beach Station.....	Annie Gross
	Surfman J. Kafka.....	Orchard Beach Station.....	A. Goldberg
	Dr. Kennelley, Fordham Hosp.	Orchard Beach Station.....	Anna Cracolici
	Surfman J. Kafka.....	Orchard Beach Station.....	Joseph Anrolin
	Surfman J. Kafka.....	Orchard Beach Station.....	Sam Mandell
	Dr. Kennelley, Fordham Hosp.	Orchard Beach Station.....	Fred Worthammer
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Esther Falk
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Mary Weitman
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Max Weich
	Dr. Kennelley, Fordham Hosp.	Orchard Beach Station.....	Benj. Levenson
	Surfman J. Kafka.....	Orchard Beach Station.....	T. O'Hare
	Surfman J. Kafka.....	Orchard Beach Station.....	Frank Caruso
	Dr. Kennelley, Fordham Hosp.	Orchard Beach Station.....	Joseph Bagno
	Surfman J. Kafka.....	Orchard Beach Station.....	H. Sorin
	Surfman A. Gonne.....	Orchard Beach Station.....	M. Goldstein
	Surfman J. Kafka.....	Orchard Beach Station.....	Howard Steinberg
	Surfman J. Kafka.....	Orchard Beach Station.....	Frank Schweider
	Surfman J. Kafka.....	Orchard Beach Station.....	Mark Feldman
	Surfman J. Kafka.....	Orchard Beach Station.....	Adolph Rambaum
	7. Commodore Edw. F. Otto.....	Orchard Beach Station.....	S. Cobert
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Jack Wilson
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Louis Goldberg
	8. Dr. Sullivan, Fordham Hosp...	Orchard Beach Station.....	B. O'Sullivan
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Herman Solomon
	9. Surfman A. Gonne.....	Orchard Beach Station.....	James Raihold
	Surfman A. Gonne.....	Orchard Beach Station.....	Carl Chlivan
	Surfman A. Gonne.....	Orchard Beach Station.....	J. Goldstein
	12. Dr. Sullivan, Fordham Hosp...	Orchard Beach Station.....	Jacob Werner
	Dr. Kierman, Fordham Hosp...	Orchard Beach Station.....	Aaron Charin

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 12.	Surfman J. Kafka.....	Orchard Beach Station.....	George Halpin
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Fisher
	Surfman J. Kafka.....	Orchard Beach Station.....	I. Gaudese
	Surfman J. Kafka.....	Orchard Beach Station.....	Joseph Hoffman
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	John Calavito
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Schalts
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Levy
	Surfman J. Kafka.....	Orchard Beach Station.....	Irwin Steinberg
	Surfman J. Kafka.....	Orchard Beach Station.....	Dorothy Lenoff
	Surfman J. Kafka.....	Orchard Beach Station.....	L. Witvelg
	Surfman J. Kafka.....	Orchard Beach Station.....	S. Brownstein
	Surfman J. Kafka.....	Orchard Beach Station.....	Max Bernstein
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Morris Ruffer
	Surfman J. Kafka.....	Orchard Beach Station.....	J. Stein
	Surfman J. Kafka.....	Orchard Beach Station.....	Florence Paley
	Surfman J. Kafka.....	Orchard Beach Station.....	Benj. Minklin
	Surfman A. Garbarini.....	Orchard Beach Station.....	Max Fabricant
	Surfman J. Kafka.....	Orchard Beach Station.....	Anna Perneck
	Surfman J. Kafka.....	Orchard Beach Station.....	A. Tierman
	Surfman J. Kafka.....	Orchard Beach Station.....	A. Elcott
	Surfman J. Kafka.....	Orchard Beach Station.....	R. Schoenfield
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Rose Moses
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	I. Frank
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	Louis Tobini
	Surfman J. Kafka.....	Orchard Beach Station.....	I. Marks
	Surfman J. Kafka.....	Orchard Beach Station.....	Julius Frances
	Dr. Dooling, Fordham Hospital.	Orchard Beach Station.....	Max Gallers
13.	Surfman A. Gonne.....	Orchard Beach Station.....	W. Selli
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	B. Bernasconi
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Mike Robino
14.	Capt. Joseph Lamb.....	Orchard Beach Station.....	A. Wiswollner
	Capt. Joseph Lamb.....	Orchard Beach Station.....	A. Crichton
15.	Surfman E. Hoefler.....	Orchard Beach Station.....	Harry Hall
	Surfman A. Gonne.....	Orchard Beach Station.....	G. C. Rasmann
	Captain Joseph Lamb.....	Orchard Beach Station.....	Edw. Bagge
	Surfman A. Gonne.....	Orchard Beach Station.....	D. Isaac
	Surfman E. Hoefler.....	Orchard Beach Station.....	James Hull
16.	Surfman A. Gonne.....	Orchard Beach Station.....	B. Andrews
17.	Surfman A. Gonne.....	Orchard Beach Station.....	Richard Lewis
	Surfman E. Hoefler.....	Orchard Beach Station.....	R. Quevedo
18.	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Irwin Hogenour
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Stella Dotsky
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	G. Lobianco
19.	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Harry Robbins
	Surfman J. Kafka.....	Orchard Beach Station.....	J. Werk
	Surfman J. Kafka.....	Orchard Beach Station.....	Levi Levin
	Surfman J. Kafka.....	Orchard Beach Station.....	Arthur Mairo
	Surfman J. Kafka.....	Orchard Beach Station.....	Anthony Egoroff
	Surfman J. Kafka.....	Orchard Beach Station.....	J. Bloch
	Surfman J. Kafka.....	Orchard Beach Station.....	A. Hahn
	Sr. Lieut. D. Constable.....	Orchard Beach Station.....	L. Peltz
	Surfman J. Kafka.....	Orchard Beach Station.....	Max Botonick
	Surfman J. Kafka.....	Orchard Beach Station.....	Harry Stoga
	Surfman A. Gonne.....	Orchard Beach Station.....	Mildred Bragstein
	Commodore Edw. F. Otto.....	Orchard Beach Station.....	A. Davidson
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	M. Frank
	Surfman J. Kafka.....	Orchard Beach Station.....	George Weingarth
	Surfman J. Kafka.....	Orchard Beach Station.....	Ernest Mock
	Surfman J. Kafka.....	Orchard Beach Station.....	M. Christopher
	Surfman J. Kafka.....	Orchard Beach Station.....	E. Maldana

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 97

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 19.	Surfman J. Kafka.....	Orchard Beach Station.....	Hannah Wax
	Surfman J. Kafka.....	Orchard Beach Station.....	Harry Mendel
	Surfman J. Kafka.....	Orchard Beach Station.....	Joe Gardiner
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Morris Paffe
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Alfred Boana
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	L. Sachs
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	M. Cohen
	Dr. Janes, Fordham Hosp.....	Orchard Beach Station.....	Louis Halpern
21.	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Agnes Brady
22.	Commodore Edw. F. Otto.....	Orchard Beach Station.....	Henry Zynda
25.	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	David Meyer
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Arthur Black
	Dr. Lowenstein, Fordham Hosp.....	Orchard Beach Station.....	Tom Kelly
	Dr. Janes, Fordham Hosp.....	Orchard Beach Station.....	S. Roller
	Dr. Oserman, Fordham Hosp.....	Orchard Beach Station.....	D. Black
	Dr. Oserman, Fordham Hosp.....	Orchard Beach Station.....	Mrs. Deutsche
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	H. Schraub
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	S. Bluementhal
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	P. Rice
26.	Surfman J. Kafka.....	Orchard Beach Station.....	R. Weisman
	Surfman J. Kafka.....	Orchard Beach Station.....	Alexander A. Roenstein
	Surfman J. Kafka.....	Orchard Beach Station.....	B. Wilk
	Surfman J. Kafka.....	Orchard Beach Station.....	Alfred Fricht
	Surfman J. Kafka.....	Orchard Beach Station.....	Arthur Gottlieb
	Jr. Lieut. J. Winans.....	Orchard Beach Station.....	Max Green
	Surfman J. Kafka.....	Orchard Beach Station.....	J. Rose
27.	Captain Joseph Lamb.....	Orchard Beach Station.....	Harry Lavery
	Captain Joseph Lamb.....	Orchard Beach Station.....	M. Buonodona
	Surfman E. Hoefler.....	Orchard Beach Station.....	R. Smith
29.	Surfman A. Gonne.....	Orchard Beach Station.....	B. Jonas
30.	Surfman E. Hoefler.....	Orchard Beach Station.....	A. Kohrmann
31.	Surfman A. Gonne.....	Orchard Beach Station.....	Wm. Sander

HUNTER ISLAND DIVISION

Feb. 25.	Captain Frank McMurray.....	Hunter Island Station.....	Unknown
	Surfman H. Roof.....	Hunter Island Station.....	Martin Fischer
April 13.	Captain Frank McMurray.....	Hunter Island Station.....	Herman Shapiro
May 20.	Surfman Edward Bennett.....	Hunter Island Station.....	Miss A. Von Minden
June 2.	Captain Frank McMurray.....	Hunter Island Station.....	H. Snelson
	9. Surfman Wm. Blicklin.....	Hunter Island Station.....	Charles Burton
	11. Patrolman Hemingway.....	Hunter Island Station.....	James Stafford
	12. Surfman Tom Cambell.....	Hunter Island Station.....	I. Marks
	17. Surfman Wm. Culligan.....	Hunter Island Station.....	W. Drilling
	Captain Frank McMurray.....	Hunter Island Station.....	Joseph Irene
	Captain Frank McMurray.....	Hunter Island Station.....	Herman Cohn
23.	Surfman A. Nelson.....	Hunter Island Station.....	I. Gore
24.	Mr. Charles Carlson.....	Hunter Island Station.....	Himself
	Coxswain E. Ottes.....	Hunter Island Station.....	R. J. Lewis
	Captain Frank McMurray.....	Hunter Island Station.....	H. Kurtzman
	Captain Frank McMurray.....	Hunter Island Station.....	N. Kats
	Sr. Lieut. Mathews.....	Hunter Island Station.....	B. Ashtenbach
	Coxswain E. Ottes.....	Hunter Island Station.....	Sam Batonus
	Surfman John Schlagel.....	Hunter Island Station.....	Tom Kraus
	Captain Frank McMurray.....	Hunter Island Station.....	Alfred Junkerman
July 1.	Surfman A. Ottes.....	Hunter Island Station.....	F. Weingold
	Surg. Mate Arthur Solomon.....	Hunter Island Station.....	H. Kurtzman
	4. Captain Frank McMurray.....	Hunter Island Station.....	Edward O'Brien
	Surfman Wm. Culligan.....	Hunter Island Station.....	J. Erdman
	7. Surfman J. E. Smith.....	Hunter Island Station.....	John Titien

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	8. Surfman H. Roof.....	Hunter Island Station.....	H. Moore
	Jr. Lieut. Chas. M. Johnson....	Hunter Island Station.....	Ida Bennett
	Captain Frank McMurray....	Hunter Island Station.....	Edward O'Neal
	Surfman J. Schlager.....		
	Boatswain H. Nelson.....	Hunter Island Station.....	Marie Goldstein
	9. Patrolman Flynn.....	Hunter Island Station.....	T. Esposito
	12. Boatswain H. Nelson.....	Hunter Island Station.....	Chas. R. Wiesen
	13. Patrolman Loughman.....	Hunter Island Station.....	W. Marony
	Patrolman Konen.....	Hunter Island Station.....	A. Morretti
	15. Boatswain H. Nelson.....	Hunter Island Station.....	Abraham Levey
	Boatswain H. Nelson.....	Hunter Island Station.....	Jack O'Reilly
	19. Boatswain H. Nelson.....	Hunter Island Station.....	I. Stier
	Captain Frank McMurray....	Hunter Island Station.....	Anna Bellford
	Captain Frank McMurray....	Hunter Island Station.....	H. Rosman
	20. Surfman J. E. Smith.....	Hunter Island Station.....	John Greiburger
	Patrolman Konen.....	Hunter Island Station.....	James Smith
	22. Captain Frank McMurray....	Hunter Island Station.....	Harry Ellis
	Surg. Mate Arthur Solomon....	Hunter Island Station.....	I. Geffen
	29. Surfman H. Roof.....	Hunter Island Station.....	Lena Shapiro
	Captain Frank McMurray....	Hunter Island Station.....	Thomas Newman
	Boatswain H. Nelson.....	Hunter Island Station.....	John Fisher
	Surg. Mate Arthur Solomon....	Hunter Island Station.....	Wm. Burke
	Boatswain H. Nelson.....	Hunter Island Station.....	James Deanley
	31. Boatswain H. Nelson.....	Hunter Island Station.....	Dave Newman
Aug.	1. Surg. Mate Arthur Solomon....	Hunter Island Station.....	F. Hertsberg
	2. Surg. Mate Arthur Solomon....	Hunter Island Station.....	Harry Hofmeister
	4. Surfman E. Bennett.....	Hunter Island Station.....	Louis Heine
	5. Surg. Mate Arthur Solomon....	Hunter Island Station.....	John Dempsey
	Surfman H. Roof.....	Hunter Island Station.....	Hyman Grossman
	Surg. Mate Arthur Solomon....	Hunter Island Station.....	J. Sibiel
	Surfman A. Nelson.....	Hunter Island Station.....	James Schafron
	5. Captain Frank McMurray....	Hunter Island Station.....	Victor Pickard
	12. Surfman A. Nelson.....	Hunter Island Station.....	S. Adelstein
	14. Boatswain H. Nelson.....	Hunter Island Station.....	J. Schur
	Boatswain H. Nelson.....	Hunter Island Station.....	E. Wiener
	26. Boatswain H. Nelson.....	Hunter Island Station.....	F. Gunther
	Boatswain H. Nelson.....	Hunter Island Station.....	Albert Williams
Oct.	Jr. Lieut. Chas. M. Johnson....	Hunter Island Station.....	Miss D. Halper
	Boatswain H. Nelson.....	Hunter Island Station.....	James Collins
	27. Surfman Wm. Blicklin.....	Hunter Island Station.....	B. Lefrak
Nov.	9. Captain Frank McMurray....	Hunter Island Station.....	John Kruger
	15. Captain Frank McMurray....	Hunter Island Station.....	John Aldred
	19. Patrolman Konen.....	Hunter Island Station.....	M. Lowney
	25. Patrolman Konen.....	Hunter Island Station.....	Y. Saji
	Captain Frank McMurray....	Hunter Island Station.....	Unknown
	Captain Frank McMurray....	Hunter Island Station.....	Charles Phleg

RESCUES

PORT MORRIS DIVISION

Date 1917	Member making rescue	Place where	Person rescued
July	27. Surfman Otto Goehl.....	Port Morris.....	Nora Larsen
	Auxiliary M. Jackowski.....		
Aug.	4. Surfman Herman Dankner....	Port Morris.....	Benj. Fraser
	Surfman Wm. Dankner.....		
	11. Surfman Otto Goehl.....	Port Morris.....	Unknown Boy
	Surfman George Looschen....		
	Surfman John Giles.....		

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Date 1917	Member making rescue	Place where	Person rescued
Aug. 17.	Surfman Chas. Schibaum.....	Port Morris.....	Raymond McNamara
Sept. 2.	Surfman George Looschen... } Surfman Herman Dankner... }	Port Morris.....	James Osterman

BARRETTO POINT DIVISION

Aug. 5.	Vice Commodore Franklin.....	Barretto Point.....	S. Levy
	Vice Commodore Franklin.....	Barretto Point.....	S. Cooper
	15. Coxswain W. Schupbach.....	Barretto Point.....	Francis Sattler
Sept. 2.	Coxswain W. Schupbach... } Boatswain W. Von Seggern... }	Barretto Point.....	Unknown Woman

ORCHARD BEACH DIVISION

Aug. 5.	Surfman J. Kafka.....	Orchard Beach.....	Morris Brown
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HUNTER ISLAND DIVISION

June 26.	Captain Frank McMurray... } Mr. R. Donker..... }	Hunter Island Station.....	Arthur Stutaberg
July 28.	Surfman H. Roof..... } Surfman Thomas Campbell... }	Hunter Island Station.....	Mrs. Bernstein
Aug. 1.	Surfman J. Smith..... } Surfman W. Karsten..... }	Hunter Island Station.....	Harry Ostovoeff
Oct. 10.	Captain Frank McMurray.....	Hunter Island Station.....	Unknown Man

BOATS ASSISTED

PORT MORRIS DIVISION

Date 1917	Members giving assistance	Place where	Boats assisted
May 15.	Surfman Herman Dankner... } Surfman Wm. Dankner..... }	Port Morris Station.....	1 Launch (2 persons)
June 26.	Surfman Chas. Schirbaum.....	Port Morris Station.....	1 Motor boat (2 persons)
July 4.	Otto Goehl..... } Surfman Herman Dankner... }	Port Morris Station.....	1 Motor boat (7 persons)
	5. Surfman George Looschen... } Surfman Herman Dankner... }	Port Morris Station.....	1 Motor boat (2 persons)
	6. Philip Green..... } Surfman Edward Fisher..... }	Port Morris Station.....	1 Motor boat (8 persons)
	Surfman Otto Goehl..... }		
	7. Surfman Herman Dankner... } Surfman Wm. Dankner..... }	Port Morris Station.....	1 Sloop (8 persons)
	Surfman Edward Fischer..... }		
	Surfman Philip Green..... }		
	Surfman John Murray..... }		
	8. Surfman Herman Dankner.....	Port Morris Station.....	1 Motor boat (2 persons)
21.	Surfman Herman Dankner... } Surfman Wm. Dankner..... }	Port Morris Station.....	1 Motor boat (2 persons)
	Surfman Philip Green..... }		
	Captain H. D. Martens.....	Port Morris Station.....	1 Sloop (15 persons)
29.	Surfman Chas. Schibaum... } Surfman Edward Fischer... }	Port Morris Station.....	1 Motor boat (2 persons)
	Surfman Herman Dankner.....	Port Morris Station.....	1 Motor boat
Sept. 2.	Surfman Philip Green..... } Surfman M. Jackowski..... }	Port Morris Station.....	1 Launch (3 persons)
	3. Surfman Herman Dankner... } Surfman Philip Green..... }	Port Morris Station.....	1 Motor boat (2 persons)
	Surfman Herman Dankner... }		
	Surfman Philip Green..... }	Port Morris Station.....	1 Motor boat (2 persons)

BARRETTO POINT DIVISION

Date 1917	Members giving assistance	Place where	Boats assisted
June	22. Surfman F. Adams.....	Barretto Point Station.....	1 Motor boat (8 persons)
	23. Surfman F. Adams.....	Barretto Point Station.....	1 Motor boat (2 persons)
July	10. Surfman F. Adams.....	Barretto Point Station.....	1 Row boat
	18. Surfman F. Adams.....	Barretto Point Station.....	1 Motor boat
	27. Boatwain W. Von Seggern.....	Barretto Point Station.....	1 Motor boat
	Coxswain W. Schupbach.....		
	29. Coxswain W. Schupbach.....	Barretto Point Station.....	1 Motor boat (3 persons)
	Surfman C. Werner.....		
	Surfman S. Strisver.....		
	Surfman F. Adams.....	Barretto Point Station.....	1 Motor boat (2 persons)
Aug.	18. Coxswain W. Schupbach.....	Barretto Point Station.....	1 Motor boat (2 persons)
	27. Surfman C. Werner.....	Barretto Point Station.....	1 Motor boat (5 persons)
	Surfman F. Adams.....		
Sept.	2. Coxswain W. Schupbach.....	Barretto Point Station.....	1 Motor boat (4 persons)
	Boatwain W. Von Seggern.....		
	Coxswain W. Schupbach.....	Barretto Point Station.....	1 Motor boat
	Boatwain W. Von Seggern.....		
	Coxswain W. Schupbach.....	Barretto Point Station.....	2 Motor boats (13 persons)
	Boatwain W. Von Seggern.....		
	Coxswain W. Schupbach.....	Barretto Point Station.....	2 Row boats
	3. Surfman H. Adams.....	Barretto Point Station.....	1 Motor boat (5 persons)
	Coxswain W. Schupbach.....		
	Surfman F. Adams.....	Barretto Point Station.....	1 Motor boat (2 persons)
	Surfman H. Adams.....		
	Surfman F. Adams.....	Barretto Point Station.....	1 Sail boat (2 persons)
	Surfman H. Adams.....		
	12. Surfman H. Adams.....	Barretto Point Station.....	1 Launch (6 persons)
	Surfman C. Werner.....		

ORCHARD BEACH DIVISION

Aug.	9. Surfman A. Gonne.....	Orchard Beach Station.....	1 Row boat (1 person)
	12. Surfman A. Gonne.....	Orchard Beach Station.....	1 Row boat (1 person)
	Surfman D. Constable.....		

HUNTER ISLAND DIVISION

April	1. Boatwain H. Nelson.....	Hunter Island Station.....	1 Motor boat (3 persons)
	8. Boatwain H. Nelson.....	Hunter Island Station.....	1 Motor boat (2 persons)
	Surfman H. Roof.....		
	15. Boatwain H. Nelson.....	Hunter Island Station.....	1 Motor boat (4 persons)
May	22. Surfman H. Roof.....	Hunter Island Station.....	1 Row boat
	23. Captain Frank McMurray.....	Hunter Island Station.....	1 Row boat
	27. Surfman G. Yunginger.....	Hunter Island Station.....	1 Motor boat (6 persons)
	30. Surfman E. Bennett.....	Hunter Island Station.....	1 Row boat (5 persons)
June	1. Cpatain Frank McMurray.....	Hunter Island Station.....	1 Motor boat
	Surfman H. Roof.....		
	4. Surfman W. Blicklin.....	Hunter Island Station.....	1 Motor boat (4 persons)
	8. Surfman J. Smith.....	Hunter Island Station.....	1 Row boat (2 persons)
	Surfman W. Blicklin.....		
	11. Surfman Tom Cambell.....	Hunter Island Station.....	1 Motor boat (1 person)
	Surfman Wm. Blicklin.....		
	14. Surfman Tom Cambell.....	Hunter Island Station.....	1 Canoe (4 persons)
	Surfman Wm. Blicklin.....		
	16. Surfman Tom Cambell.....	Hunter Island Station.....	1 Motor boat (1 person)
	Surfman Wm. Blicklin.....		
	17. Surfman Wm. Culligan.....	Hunter Island Station.....	1 Sail boat (8 persons)
	Surfman Joseph Juns.....		
	24. Surfman Wm. Culligan.....	Hunter Island Station.....	1 Row boat
	26. Captain Frank McMurray.....	Hunter Island Station.....	1 Dory (2 persons)

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Date 1917	Member giving assistance	Place where	Boats assisted
July	6. Surfman A. Nelson	Hunter Island Station	1 Row boat
	8. Surfman H. Roof	Hunter Island Station	1 Launch (18 persons)
	Surfman Wm. Blicklin		
	15. Surfman E. Bennett	Hunter Island Station	1 Motor boat (4 persons)
Aug.	22. Captain Frank McMurray	Hunter Island Station	31 persons in storm
	1. Surfman H. Nelson	Hunter Island Station	1 Canoe (1 person)
	Surfman J. Smith		
	Surfman A. Solomon		
	Surfman W. Karsten		
	2. Boatwain H. Nelson	Hunter Island Station	4 Persons in storm
	26. Surfman Schlagel	Hunter Island Station	1 Row boat
	Surfman Ottes	Hunter Island Station	1 Launch (2 persons) 1 Canoe (1 person)
	Captain Frank McMurray		
	Surfman H. Roof		
	Surfman Wm. Blicklin		
	Surfman Ottes		
	Surfman Cambell		
	Surfman Johnson		
	27. Surfman H. Roof	Hunter Island Station	1 Row boat
	Surfman Cambell		
	Boatswain H. Nelson		
Sept.	1. Captain Frank McMurray	Hunter Island Station	1 Launch (9 persons)
	Surfman H. Roof		
	Surfman Wm. Blicklin		
	Surfman Ottes		
Oct.	3. Boatwain H. Nelson	Hunter Island Station	1 Canoe
	7. Captain Frank McMurray	Hunter Island Station	1 Launch
	Surfman H. Roof		
	Surfman A. Nelson		
	10. Surfman Schlagel	Hunter Island Station	2 Canoes
	Captain Frank McMurray	Hunter Island Station	1 Raft (2 persons)
	Mr. Charles Lunsing		
	28. Surfman H. Roof	Hunter Island Station	1 Motor boat
	Surfman Tom Cambell		
	Surfman Ottes		

BODIES RECOVERED

PORT MORRIS DIVISION

Date 1917	Members giving assistance	Place where	Bodies recovered
July	3. Surfman Edward Fisher	Port Morris Station	Unknown Man
	Surfman Philip Green		
	Surfman P. Drummond		

WRECKAGE

PORT MORRIS DIVISION

Date 1917	Members giving assistance	Place where	Wreckage removed
Aug.	4. Surfman Herman Dankner	Port Morris Station	Raft
	28. Surfman Peter Drummond	Port Morris Station	Log
	Surfman Philip Green		
	Surfman James Wynne		
	Surfman Herman Dankner		

BARRETTO POINT DIVISION

July	9. Coxswain W. Schupbach	Barretto Point Station	Log
	14. Surfman F. Adams	Barretto Point Station	2 Logs
	Captain F. Effinger		

Date 1917	Members giving assistance	Place where	Wreckage removed
July	27. Coxswain W. Schupbach.....	Barretto Point Station.....	Log
	28. Surfman F. Adams.....	Barretto Point Station.....	Log
	Surfman H. Adams.....		
	Coxswain W. Schupbach.....	Barretto Point Station.....	Log
	30. Surfman C. Werner.....		
	31. Coxswain W. Schupbach.....	Barretto Point Station.....	Log
Aug.	Surfman C. Werner.....		
	Surfman J. Morrison.....	Barretto Point Station.....	Raft
	4. Vice Commodore Franklin...		
	Coxswain W. Schupbach.....	Barretto Point Station.....	Log
	7. Coxswain W. Schupbach.....		
	11. Surfman C. Werner.....	Barretto Point Station.....	Log
Sept.	Surfman G. Westervelt.....		
	12. Coxswain W. Schupbach.....	Barretto Point Station.....	Log
	26. Surfman F. Adams.....	Barretto Point Station.....	Log
	Surfman C. Werner.....	Barretto Point Station.....	Log
	3. Coxswain W. Schupbach.....		
	Surfman W. Mussler.....	Barretto Point Station.....	Log
	9. Coxswain W. Schupbach.....	Barretto Point Station.....	Log

HUNTER ISLAND DIVISION

Aug.	26. Surfman Schlager.....	Hunter Island Station.....	3 Logs
	Surfman Ottes.....		
	27. Surfman Cambell.....	Hunter Island Station.....	2 Logs
	Boatswain H. Nelson.....		
	28. Surfman Schlager.....	Hunter Island Station.....	1 Log

BOROUGH OF QUEENS

FIRST AID

VIGILANT YACHT CLUB

Date 1917	Members rendering " first aid "	Place where	Persons assisted
June	30. Captain Herbert Morgan.....	Vigilant Yacht Club.....	Edward Cruger
July	20. Captain Herbert Morgan.....	Vigilant Yacht Club.....	H. Bauman
	Captain Herbert Morgan.....	Vigilant Yacht Club.....	Captain Dilson
Aug.	23. Captain Herbert Morgan.....	Vigilant Yacht Club.....	W. Hamburger

OLD MILL DIVISION

May	23. Vice-Commodore H. Pretlove..	Old Mill Station.....	Arthur Potters
June	3. Surfman Scott.....	Old Mill Station.....	Unknown man
	Surfman Kane.....		
	24. Surfman George Gerhard.....	Old Mill Station.....	Albert Hutt
	Superintendent Chas. Raynor	Old Mill Station.....	Herman Dorfman
	Captain J. Wien.....	Old Mill Station.....	Joseph Good
	30. Captain J. Wien.....		
July	6. Vice-Commodore H. Pretlove..	Old Mill Station.....	J. Druss
	31. Superintendent Chas. E. Raynor	Old Mill Station.....	Unknown boy
Aug.	1. Superintendent Chas. E. Raynor	Old Mill Station.....	James Hanrahan
	Superintendent Chas. E. Raynor	Old Mill Station.....	B. Ruddle
	Captain J. Wien.....	Old Mill Station.....	J. Crawford
	3. Surfman E. Lackenbauer.....	Old Mill Station.....	Carl Karweg
	Surfman E. Lackenbauer.....	Old Mill Station.....	Henry Fischer
	Surfman E. Lackenbauer.....	Old Mill Station.....	Ben Schroeder
	4. Vice-Commodore H. Pretlove..	Old Mill Station.....	G. Davies
	Fr. Lieut. F. Scott.....	Old Mill Station.....	George Bell

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	4. Captain J. Wien.....	Old Mill Station.....	W. Sullivan
	12. Captain J. Wien.....	Old Mill Station.....	Emil Ameral
	Surfman J. Mehan.....	Old Mill Station.....	Ernest W. Halm
	13. Surfman J. Mehan.....	Old Mill Station.....	James Mace
	15. Surfman Matteson.....	Old Mill Station.....	Philip Lynch
	Captain J. Wien.....	Old Mill Station.....	Anna Murray
	16. Surfman Matteson.....	Old Mill Station.....	Maurcie DeBaryshe
	19. Jr. Lieut. Lagarene.....	Old Mill Station.....	B. Maffione
	20. Sr. Lieut. F. Scott.....	Old Mill Station.....	S. Fleahler
	26. Captain J. Wien.....	Old Mill Station.....	William O'Donnell
	Jr. Lieut. Lagarene.....	Old Mill Station.....	Mike Silverman
	Vice-Commodore H. Pretlove..	Old Mill Station.....	Herman Gingel
	27. Surfman Matteson.....	Old Mill Station.....	Leo Rambold
	31. Surfman Matteson.....	Old Mill Station.....	James Miller
Sept.	1. Surfman W. Stevens.....	Old Mill Station.....	John Connelly
	2. Vice-Commodore H. Pretlove..	Old Mill Station.....	Chas. Freiman
	Vice-Commodore H. Pretlove..	Old Mill Station.....	W. Reinhart
	3. Surfman John Meehan.....	Old Mill Station.....	James Clancey
	Jr. Lieut. Lagarene.....	Old Mill Station.....	Wm. Brandt
	4. Surfman Matteson.....	Old Mill Station.....	James Hammeslahr
	9. Sr. Lieut. F. Scott.....	Old Mill Station.....	Wm. Zentgraf
Oct.	24. Surfman Arthur Plats.....	Old Mill Station.....	H. Carmen
	26. Vice-Commodore H. Pretlove..	Old Mill Station.....	John Kinkopf
	8. Surfman W. Stevens.....	Old Mill Station.....	James O'Connor
	Vice-Commodore H. Pretlove..	Old Mill Station.....	Frank Michalak

SANDS BAY DIVISION

May	17. Captain Julius Nueske, Jr.	Sands Bay Station.....	John Bambock
	24. Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	Mrs. T. Yerks
June	30. Surfman Fred Ritter.....	Sands Bay Station.....	E. Hanson
	11. Captain Julius Nueske, Jr.	Sands Bay Station.....	J. Hummel
	19. Captain Julius Nueske, Jr.	Sands Bay Station.....	W. Kirchner
July	21. Captain Julius Nueske, Jr.	Sands Bay Station.....	H. Bierman
	2. Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	Dan Flohn, Jr.
	Captain Julius Nueske, Jr.	Sands Bay Station.....	Mrs. O. Weigel
	8. Captain Julius Nueske, Jr.	Sands Bay Station.....	Mrs. Reuter
	11. Surfman John P. Edwards.....	Sands Bay Station.....	C. Morrison
	21. Captain Julius Nueske, Jr.	Sands Bay Station.....	Mrs. Sprague
	22. Captain Julius Nueske, Jr.	Sands Bay Station.....	Mrs. Michael Ritter
	Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	Gladys Diehl
	29. Surfman John P. Edwards.....	Sands Bay Station.....	Mervin Schmeelk

HOWARD BEACH DIVISION

July	4. Boatswain George Knoche.....	Howard Beach Station....	Unknown woman
	Captain George Laubendorfer..	Howard Beach Station....	Grace Kilor
	Sr. Lieut. R. Savoye.....	Howard Beach Station....	George Knight
	Sr. Lieut. R. Savoye.....	Howard Beach Station....	Arthur Gearth
	8. Sr. Lieut. R. Savoye.....	Howard Beach Station....	E. Rader
	Sr. Lieut. R. Savoye.....	Howard Beach Station....	R. Knipping
	Sr. Lieut. R. Savoye.....	Howard Beach Station....	George Knight
	Coxswain R. Adams.....		
	15. Sr. Lieut. R. Savoye.....	Howard Beach Station....	Charles Faulkner
	17. Coxswain George Hofmann....	Howard Beach Station....	Unknown child
	19. Coxswain George Hofmann....	Howard Beach Station....	Unknown boy
	Boatswain George Knoche.....	Howard Beach Station....	Unknown boy
	Boatswain George Knoche.....	Howard Beach Station....	Sidney Pike
	22. Sr. Lieut. R. Savoye.....	Howard Beach Station....	Mabel Johnson
	29. Surfman Jack Bates.....	Howard Beach Station....	Miss Brindle
	31. Jr. Lieut. George Knoche.....	Howard Beach Station....	Charles Drake

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	31. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	C. Ashton
Aug.	1. Surfman G. Buechner.....	Howard Beach Station.....	Charles Sternberg
	2. Surfman G. Buechner.....	Howard Beach Station.....	Margaret Gorman
	Boatswain George Knoche.....		
	4. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	Carl Hoffman
	5. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	Charles Smith
	18. Boatswain George Knoche.....	Howard Beach Station.....	Frank Baum
	19. Surfman George Buechner.....	Howard Beach Station.....	George Knoche
Sept.	3. Boatswain George Knoche.....	Howard Beach Station.....	Ralph Kevet
	Captain George Laubendorfer..	Howard Beach Station.....	Charles Falkner
July	2. Surfman G. Cravath.....	Whitestone.....	Geo. Tetsel
	10. Captain F. Van Schaack.....	Whitestone.....	Georgina Fabris
	Captain F. Van Schaack.....	Whitestone.....	Anna Barward
	13. Captain F. Van Schaack.....	Whitestone.....	Richard Waldron
	14. Captain F. Van Schaack.....	Whitestone.....	Gertrude Turridge
	17. Captain F. Van Schaack.....	Whitestone.....	Glenn Armstrong
	30. Sr. Lieut. Brownley.....	Whitestone.....	Mr. Siglow
	31. Surfman F. Galbraith.....	Whitestone.....	Charles Regan
Aug.	7. Captain Van Schaack.....	Whitestone.....	Arthur Ludwig
	11. Captain Van Schaack.....	Whitestone.....	J. Miro
	13. Captain Van Schaack.....	Whitestone.....	Teddy Beckart
	14. Captain Van Schaack.....	Whitestone.....	9-year-old boy
	16. Doctor Bartos.....	Whitestone.....	Frank Riley
	23. Captain Van Schaack.....	Whitestone.....	Peter De Bruno
	26. Sr. Lieut. Brownley.....	Whitestone.....	Sadie Burns
	Captain Van Schaack.....	Whitestone.....	John Connolly
	Surfman Connolly.....	Whitestone.....	Sailor
	27. Captain Van Schaack.....	Whitestone.....	Geo. Bauerogt
June	5. Surfman M. Frowley.....	Hell Gate.....	R. Musel
July	4. Coxswain James Reid.....	Hell Gate.....	David Dugan
	29. Jr. Lieut. John Hock.....	Hell Gate.....	Jacob Cohen
	Jr. Lieut. John Hock.....	Hell Gate.....	Irene James
Aug.	3. Surfman Elmer Hirst.....	Hell Gate.....	Irene James
	5. Jr. Lieut. John Hock.....	Hell Gate.....	John Groat
	6. Surfman J. H. Lake.....	Hell Gate.....	Timothy Sullivan
	7. Surfman J. H. Lake.....	Hell Gate.....	John Kiely
	Surfman M. Frowley.....	Hell Gate.....	Willie James
	11. Jr. Lieut. John Hock.....	Hell Gate.....	Walter Habeck
Sept.	26. Sturges.....	Hell Gate.....	Fred Bluhameier
	Cavanaugh.....		
	J. Connors.....		
Jan.	23. Captain Al. Kahn.....	Meadowmere.....	Eugene Kreslow
	27. Captain Al. Kahn.....	Meadowmere.....	S. Sadlow
	Captain Al. Kahn.....	Meadowmere.....	John Hoper
Feb.	3. Captain Al. Kahn.....	Meadowmere.....	M. Weiss
	14. Captain Al. Kahn.....	Meadowmere.....	Theo. Stamatii
	27. Captain Al. Kahn.....	Meadowmere.....	Charles Porter
Mar.	2. Captain Al. Kahn.....	Meadowmere.....	Oswald Fricke
	14. Captain Al. Kahn.....	Meadowmere.....	Billy Porter
	15. Captain Al. Kahn.....	Meadowmere.....	John Cabel
May	2. Captain Al. Kahn.....	Meadowmere.....	S. Simon
	5. Captain Al. Kahn.....	Meadowmere.....	Miss Epstein
	9. Captain Al. Kahn.....	Meadowmere.....	Fred Custi
	Captain Al. Kahn.....	Meadowmere.....	Mary Prebles
	17. Captain Al. Kahn.....	Meadowmere.....	Gertrude Sumner
	Captain Al. Kahn.....	Meadowmere.....	John
	Captain Al. Kahn.....	Meadowmere.....	S. Aubrey
June	17. Captain Al. Kahn.....	Meadowmere.....	S. Aubrey
	Captain Al. Kahn.....	Meadowmere.....	H. Kahn
	Captain Al. Kahn.....	Meadowmere.....	J. Munson

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
June	18. Captain Al. Kahn.....	Meadowmere.....	Mr. Stuts
	Captain Al. Kahn.....	Meadowmere.....	M. Gottlieb
	19. Captain Al. Kahn.....	Meadowmere.....	Mrs. Hofer
	23. Surg. Mate Brunn.....	Meadowmere.....	Lucy Thompson
	Surg. Mate Brunn.....	Meadowmere.....	John Moore
	24. Captain Al. Kahn.....	Meadowmere.....	P. Harder
	26. Surg. Mate Brunn.....	Meadowmere.....	William Hauzer
	28. Surg. Mate Brunn.....	Meadowmere.....	Catherine Johnston
	30. Captain Al. Kahn.....	Meadowmere.....	James Owens
	Captain Al. Kahn.....	Meadowmere.....	Miss Reiley
Ju'y	1. Captain A. Kahn.....	Meadowmere.....	W. Littlewood
	2. Captain A. Kahn.....	Meadowmere.....	John McCormack
	5. Surg. Mate Brunn.....	Meadowmere.....	Harry Cohen
	7. Captain Al. Kahn.....	Meadowmere.....	Mr. Miller
	Captain Al. Kahn.....	Meadowmere.....	T. O'Brien
	8. Captain Al. Kahn.....	Meadowmere.....	E. Johnston
	Captain Al. Kahn.....	Meadowmere.....	Miss Parker
	Captain Al. Kahn.....	Meadowmere.....	J. Dowdell
	Captain Al. Kahn.....	Meadowmere.....	Herbert Robinson
	Captain Al. Kahn.....	Meadowmere.....	Frank Gilbert
	Mr. McDermott.....	Seaside Bay.....	Margaret Domdion
	15. Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	Edwin Weyman
	17. Surfman H. Zimmermann.....	Seaside Bay.....	Vincent Qunlan
	20. Coxswain E. Weber.....	Seaside Bay.....	Mr. Brooks
	Coxswain E. Weber.....	Seaside Bay.....	Miss Cunningham
	22. Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	Helen Post
	Surg. Mate Geo. Weber.....	Seaside Bay.....	Lawrence Wertheimer
	23. Surfman Zimmerman.....	Seaside Bay.....	Frances McDermott
	Surfman Kamper.....		
	24. Surfman Zimmerman.....	Seaside Bay.....	Miss Miller
	26. Surg. Mate Geo. Weber.....	Seaside Bay.....	Robert Rowe
	27. Surfman H. Zimmermann.....	Seaside Bay.....	Lawrence Mullins
	Surfman J. Cutler.....	Seaside Bay.....	Geo. Weber
	Surfman J. Cutler.....	Seaside Bay.....	Geo. Zimmerman
	Surfman Oscar Kamper.....	Seaside Bay.....	William Rutter
	Surfman Oscar Kamper.....	Seaside Bay.....	Lawrence Mullins
	28. Surfman H. Zimmermann.....	Seaside Bay.....	W. Smith
	Surfman J. M. Cutler.....	Seaside Bay.....	John Weber
	Otto Kamper.....	Seaside Bay.....	Oscar Kamper
	29. Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	A. N. Cutler
	31. Surg. Mate Geo. Weber.....	Seaside Bay.....	Joe. Lora
	Surfman W. Smith.....	Seaside Bay.....	Hilbert Zimmerman
	Otto Kamper.....		
	Surfman William Smith.....	Seaside Bay.....	John McDermott
	Surfman H. Zimmermann.....	Seaside Bay.....	Robert Rowe
	Surfman H. Zimmermann.....	Seaside Bay.....	William Smith
	Surfman W. Smith.....	Seaside Bay.....	John Erwin
	O. Kamper.....		
Aug.	1. Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	May Kine
	2. Surg. Mate Geo. Weber.....	Seaside Bay.....	Fred Ruoff
	3. Surg. Mate Geo. Weber.....	Seaside Bay.....	Fred Ruoff
	7. Surfman Monahan.....	Seaside Bay.....	Michael Latigly
	Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	Helen Monahan
	8. Surfman J. Monahan.....	Seaside Bay.....	Otto Kamper
	9. Jr. Lieut. Fred Ruoff.....	Seaside Bay.....	Mrs. John Ruoff
	Surfman Monahan.....	Seaside Bay.....	Lawrence Wertheimer
	Surg. Mate Geo. Weber.....	Seaside Bay.....	Fred Ruoff
	17. Surfman Monahan.....	Seaside Bay.....	Lawrence Wertheimer
	Surg. Mate Geo. Weber.....	Seaside Bay.....	Harry Zunde
	20. Captain E. Zimmerman.....	Seaside Bay.....	Joe Lampiasi

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Sept.	6. Otto Kamper	Seaside Bay	Fred Hawthorne
Mar.	17. W. Fishman	Holland	Thomas Balton
	23. W. Fishman	Holland	D. Burnstien
May	5. Surfman John Pasternak	Holland	Sam Dicker
	9. Surfman John Pasternak	Holland	J. Brakmstein
	19. Surfman John Pasternak	Holland	Pearl Wall
	20. Captain Nat Ballard	Holland	Joe Steiner
	Surg. Mate M. Fishman	Holland	Wm. Cohen
	21. Captain Nat Ballard	Holland	Leo Radick
	Captain Nat Ballard	Holland	John Rading
	M. Fishman	Holland	Max Leonard
	M. Fishman	Holland	Sam Bloom
	27. Surfman Pasternak	Holland	Joe Loanstein
	Surfman Pasternak	Holland	Morris Stein
	Surfman Pasternak	Holland	Rose Steinblat
	30. Max Fischman	Holland	May Connelly
	Max Fischman	Holland	W. Osborne
	Captain Nat Ballard	Holland	Julia Goldstein
	Captain Nat Ballard	Holland	Martha Seafoot
	Captain Nat Ballard	Holland	Wilbert Kahn
	Captain Nat Ballard	Holland	James Dolan
	Captain Nat Ballard	Holland	Mrs. W. Watson
	S. Rudinsky	Holland	John Robinson
	S. Rudinsky	Holland	May Jordan
June	3. Max Fischman	Holland	Geo. Ryson
	14. Max Fischman	Holland	G. Kornheiser
	Max Fischman	Holland	A. Jockelson
	16. Max Fischman	Holland	B. Morrison
	17. Max Fischman	Holland	D. Fishman
	Max Fischman	Holland	J. Stanslan
	Max Fischman	Holland	F. Stevens
	Dr. Silverman	Holland	Sam Rudinsky
	19. M. Fischman	Holland	K. Kneu
	M. Fischman	Holland	B. Goldstein
	M. Fischman	Holland	E. Applebaum
	M. Fischman	Holland	A. Bloom
	20. M. Fischman	Holland	E. P. Burnstein
	M. Fischman	Holland	M. Burns
	21. M. Fischman	Holland	A. Schuer
	M. Fischman	Holland	G. Goldman
	M. Fischman	Holland	B. Klein
	22. M. Fischman	Holland	E. Burman
	M. Fischman	Holland	S. Cohen
	M. Fischman	Holland	M. Smith
	23. M. Fischman	Holland	W. Kolen
	M. Fischman	Holland	William Black
	M. Fischman	Holland	J. Steen
	M. Fischman	Holland	Frank Buyer
	M. Fischman	Holland	L. Hossman
	M. Fischman	Holland	G. Bearman
	M. Fischman	Holland	S. Rudinsky
	M. Fischman	Holland	Jack Paster
	Captain Nat Ballard	Holland	George Gee
	Captain Nat Ballard	Holland	Jack Hoyle
	Captain Nat Ballard	Holland	Eva Berman
	W. Fishman	Holland	K. Fannit
	Surfman Brown	Holland	Mrs. Stansler
	Jr. Lieut. S. Rudinsky	Holland	A. Maher
	Jr. Lieut. S. Rudinsky	Holland	S. Shiff
	24. W. Fishman	Holland	Miss Pinkins

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
June 24.	Surfman Brown.....	Holland.....	E. Jacobs
	W. Fischman.....	Holland.....	A. Reise
	W. Fischman.....	Holland.....	K. Burnstein
	W. Fischman.....	Holland.....	W. Levine
	W. Fischman.....	Holland.....	H. Goldstein
	W. Fischman.....	Holland.....	L. Buyer
	W. Fischman.....	Holland.....	Mrs. Schmilwacky
25.	Boatswain Ed. Rudin.....	Holland.....	I. Mendelsohn
30.	M. Fischman.....	Holland.....	Lillian Roam
July 1.	Jr. Lieut. Rudin.....	Holland.....	Sophie Ostrow
	Jr. Lieut. Rudin.....	Holland.....	Nat Cantrowits
	M. L. Brown.....	Holland.....	Miss Roab
	M. Fischman.....	Holland.....	Anna Windrow
	Jr. Lieut. S. Rudin.....	Holland.....	Eva Berman
	Jr. Lieut. S. Rudin.....	Holland.....	N. Kreinich
	Jr. Lieut. S. Rudin.....	Holland.....	Wm. Friedman
	Jr. Lieut. S. Rudin.....	Holland.....	Ph. Scheckowits
	Jr. Lieut. S. Rudin.....	Holland.....	Louis Green
	Jr. Lieut. S. Rudin.....	Holland.....	J. Laakow
	Captain Nat Ballard.....	Holland.....	A. W. Colen
	Captain Nat Ballard.....	Holland.....	E. Rauch
	Captain Nat Ballard.....	Holland.....	E. Rauch
	Captain Nat Ballard.....	Holland.....	John Wilson
	Boatswain E. Rudin.....	Holland.....	Louie Baker
	4. Sr. Lieut. M. Fischman.....	Holland.....	Walter O'Connell
	Sr. Lieut. M. Fischman.....	Holland.....	Barney Krants
	Sr. Lieut. M. Fischman.....	Holland.....	Frank Siegel
	Sr. Lieut. M. Fischman.....	Holland.....	Nathan Grodian
	Sr. Lieut. M. Fischman.....	Holland.....	John Portegol
	Sr. Lieut. M. Fischman.....	Holland.....	Edna Herman
	Sr. Lieut. M. Fischman.....	Holland.....	Sygmund Edenfeld
	Sr. Lieut. M. Fischman.....	Holland.....	Al. Schaffer
	Sr. Lieut. M. Fischman.....	Holland.....	Wm. Guffen
	Sr. Lieut. M. Fischman.....	Holland.....	Sam Goldstein
	Sr. Lieut. M. Fischman.....	Holland.....	Abe Rosenberg
	Sr. Lieut. M. Fischman.....	Holland.....	Daisy Bender
	Sr. Lieut. M. Fischman.....	Holland.....	Freda Tobin
	Sr. Lieut. M. Fischman.....	Holland.....	Eva Rosenberg
	Sr. Lieut. M. Fischman.....	Holland.....	Henry Solomon
	Sr. Lieut. M. Fischman.....	Holland.....	Willie Roensurig
	Sr. Lieut. M. Fischman.....	Holland.....	Rose Pollack
	Sr. Lieut. M. Fischman.....	Holland.....	Helen Cook
	Sr. Lieut. M. Fischman.....	Holland.....	Minnie Johnstone
	Sr. Lieut. M. Fischman.....	Holland.....	Rose Kaplan
	Sr. Lieut. M. Fischman.....	Holland.....	Jack Petti
	Sr. Lieut. M. Fischman.....	Holland.....	Max Cohen
	Sr. Lieut. M. Fischman.....	Holland.....	Lewis Levy
	Sr. Lieut. M. Fischman.....	Holland.....	William Fischman
	Sr. Lieut. M. Fischman.....	Holland.....	Artie Schor
	Sr. Lieut. M. Fischman.....	Holland.....	Otto Forte
	William Fischman.....	Holland.....	Wm. Stiner
	William Fischman.....	Holland.....	Sam Cohen
	William Fischman.....	Holland.....	L. Millhouser
	William Fischman.....	Holland.....	Luck Eldrad
	William Fischman.....	Holland.....	R. McGivan
	William Fischman.....	Holland.....	H. Gabstren
	William Fischman.....	Holland.....	Michael Goldberg
	Captain Nat Ballard.....	Holland.....	Ruth Ballard
	Captain Nat Ballard.....	Holland.....	Geo. Rauch
	Captain Nat Ballard.....	Holland.....	Lilly Martin

Date 1917	Members rendering " first aid "	Place where	Persons assisted
July	4. Captain Nat Ballard.....	Holland.....	Rachael Goldman
	Captain Nat Ballard.....	Holland.....	J. C. Cooler
	Captain Nat Ballard.....	Holland.....	Julius Goldstein
	Jr. Lieut. S. Rubin.....	Holland.....	Jack Cooperman
	Jr. Lieut. S. Rubin.....	Holland.....	Louis Kamplan
	Jr. Lieut. S. Rubin.....	Holland.....	Wm. Kingsley
	Jr. Lieut. S. Rubin.....	Holland.....	John Hollstein
	Jr. Lieut. S. Rubin.....	Holland.....	Louis Feit
	Jr. Lieut. S. Rubin.....	Holland.....	Sarah Burns
	5. Surfman W. Fischman.....	Holland.....	Julius Friend
	Surfman W. Fischman.....	Holland.....	Sam Schwartz
	Surfman W. Fischman.....	Holland.....	Anna Rosenblatt
	Sr. Lieut. M. Fischman.....	Holland.....	Jennie Weiss
	Sr. Lieut. M. Fischman.....	Holland.....	Sadie Wiener
	Sr. Lieut. M. Fischman.....	Holland.....	Walter Schur
	Sr. Lieut. M. Fischman.....	Holland.....	W. L. Fischman
	Sr. Lieut. M. Fischman.....	Holland.....	Isaac Roen
	Sr. Lieut. M. Fischman.....	Holland.....	Rose Block
	Sr. Lieut. M. Fischman.....	Holland.....	Al Allision
	Captain Nat Ballard.....	Holland.....	D. Davis
	Captain Nat Ballard.....	Holland.....	Joseph Rathbone
	Captain Nat Ballard.....	Holland.....	J. H. Quilin
	Captain Nat Ballard.....	Holland.....	Julia Marlon
	Captain Nat Ballard.....	Holland.....	Jennie Howe
	6. Sr. Lieut. M. Fischman.....	Holland.....	Wm. Fischman
	7. Sr. Lieut. M. Fischman.....	Holland.....	Ben Goldor
	Sr. Lieut. M. Fischman.....	Holland.....	I. M. Schmits
	Sr. Lieut. M. Fischman.....	Holland.....	Sam Bernfeld
	Sr. Lieut. M. Fischman.....	Holland.....	N. Halkern
	Sr. Lieut. M. Fischman.....	Holland.....	Sadie Schwartz
	Surfman Wm. Fischman.....	Holland.....	B. Summerfield
	Edw. Rubin.....	Holland.....	Morris Weber
	Edw. Rubin.....	Holland.....	Minnie Liebowits
	8. W. Fischman.....	Holland.....	A. Samuels
	W. Fischman.....	Holland.....	Frank Klein
	W. Fischman.....	Holland.....	Jack Ennis
	Captain Nat Ballard.....	Holland.....	Miss Laseef
	Captain Nat Ballard.....	Holland.....	Irving Reisman
	Captain Nat Ballard.....	Holland.....	N. Waldman
	Surfman M. Brown.....	Holland.....	S. Davis
	Surfman M. Brown.....	Holland.....	A. Hanadaft
	Sr. Lieut. M. Fischman.....	Holland.....	M. Blogis
	Sr. Lieut. M. Fischman.....	Holland.....	Fannie Larb
	Sr. Lieut. M. Fischman.....	Holland.....	Leo Hoffman
	9. Captain Nat Ballard.....	Holland.....	E. Beruetti
	Sr. Lieut. Fischman.....	Holland.....	L. Leabits
	Sr. Lieut. Fischman.....	Holland.....	H. Weidell
	Surfman W. Fischman.....	Holland.....	D. Florio
	10. Surfman W. Fischman.....	Holland.....	C. Gali
	Sr. Lieut. M. Fischman.....	Holland.....	L. Burch
	11. Sr. Lieut. M. Fischman.....	Holland.....	Harry Ros
	Sr. Lieut. M. Fischman.....	Holland.....	W. Fisher
	12. Sr. Lieut. M. Fischman.....	Holland.....	A. Friedberg
	Sr. Lieut. M. Fischman.....	Holland.....	Rose Sigmund
	Sr. Lieut. M. Fischman.....	Holland.....	Archie Reich
	13. Sr. Lieut. M. Fischman.....	Holland.....	Jennie Reider
	Sr. Lieut. M. Fischman.....	Holland.....	B. Housman
	Sr. Lieut. M. Fischman.....	Holland.....	Clara Wolf
	Sr. Lieut. M. Fischman.....	Holland.....	Al Rosenbaum
	Sr. Lieut. M. Fischman.....	Holland.....	Anna Goldstein

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
July	13. Sr. Lieut. M. Fischman.....	Holland.....	Mike Brenner
	Sr. Lieut. M. Fischman.....	Holland.....	David Alexander
	Sr. Lieut. M. Fischman.....	Holland.....	Ed. Silberstein
	Sr. Lieut. M. Fischman.....	Holland.....	Joe Schaffer
	14. Jr. Lieut. Sam Rudin.....	Holland.....	H. Goldberg
	Surfman W. Fischman.....	Holland.....	Samuel Hiechman
	15. Captain Nat Ballard.....	Holland.....	Seman
	Jr. Lieut. Rudin.....	Holland.....	M. Trupin
	Jr. Lieut. Rudin.....	Holland.....	Daisy Binder
	Sr. Lieut. M. Fischman.....	Holland.....	Sissy Fits
	Sr. Lieut. M. Fischman.....	Holland.....	E. Fachman
	Surfman W. Fischman.....	Holland.....	F. Goldstein
	Surfman W. Fischman.....	Holland.....	Helen Tobin
	16. Surfman W. Fischman.....	Holland.....	Geo. Field
	Surfman W. Fischman.....	Holland.....	Perry Flagen
	Surfman W. Fischman.....	Holland.....	B. Waxler
	Surfman W. Fischman.....	Holland.....	Sydney Price
	17. Surfman W. Fischman.....	Holland.....	G. Weidell
	Surfman W. Fischman.....	Holland.....	S. Goldman
	Sr. Lieut. M. Fischman.....	Holland.....	Sam Klein
	Surfman W. Fischman.....	Holland.....	E. Travis
	18. Surfman W. Fischman.....	Holland.....	Anna Rosenblat
	Sr. Lieut. M. Fischman.....	Holland.....	Frank Burchants
	Sr. Lieut. M. Fischman.....	Holland.....	W. Schurb
	Surfman W. Fischman.....	Holland.....	S. Sumon
	19. Surfman W. Fischman.....	Holland.....	A. Gold
	Surfman W. Fischman.....	Holland.....	Morris Sobelson
	Sr. Lieut. M. Fischman.....	Holland.....	Harry Tanier
	Sr. Lieut. M. Fischman.....	Holland.....	Wm. Ketell
	20. Sr. Lieut. M. Fischman.....	Holland.....	Paul Blas
	Jr. Lieut. S. Rudin.....	Holland.....	J. Greenbach
	Surfman W. Fischman.....	Holland.....	S. Chowits
	Surfman W. Fischman.....	Holland.....	Phil. Fardman
	21. Jr. Lieut. S. Rudin.....	Holland.....	H. Schmerer
	Jr. Lieut. S. Rudin.....	Holland.....	Max Zwmsiger
	Jr. Lieut. S. Rudin.....	Holland.....	Denny Tipman
	Jr. Lieut. S. Rudin.....	Holland.....	I. M. Tiner
	Jr. Lieut. S. Rudin.....	Holland.....	A. Pabst
	Jr. Lieut. S. Rudin.....	Holland.....	M. Jackson
	Surfman M. Brown.....	Holland.....	S. Sands
	Surfman M. Brown.....	Holland.....	L. Bersten
	Jr. Lieut. M. Fischman.....	Holland.....	D. Kalber
	Captain Nat Ballard.....	Holland.....	Unknown child
	22. Captain Nat Ballard.....	Holland.....	Frank Rehman
	Captain Nat Ballard.....	Holland.....	Wm. Kodaky
	Captain Nat Ballard.....	Holland.....	Jennie McCay
	Captain Nat Ballard.....	Holland.....	John Desmond
	F. Minzerheimer.....	Holland.....	I. Schraub
	F. Minzerheimer.....	Holland.....	A. S. Cotterer
	F. Minzerheimer.....	Holland.....	Harry Reiff
	Surfman W. Fischman.....	Holland.....	C. Battens
	Surfman W. Fischman.....	Holland.....	Morris Field
	Surfman W. Fischman.....	Holland.....	Katy Cohan
	Commodore R. Blogg.....	Holland.....	Sylvia Smith
	Commodore R. Blogg.....	Holland.....	A. Greenberg
	Surfman M. Brown.....	Holland.....	Al. Samuels
	Jr. Lieut. S. Rudin.....	Holland.....	J. Fisher
	23. Surfman Kommel.....	Holland.....	Fred Hammon
	Surfman Kommel.....	Holland.....	Mary Edelron
	Sr. Lieut. M. Fischman.....	Holland.....	Martin Colman

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	23. Sr. Lieut. M. Fischman	Holland	Morton Christie
	Captain Nat Ballard	Holland	Irene Kelly
	24. Surfman W. Fischman	Holland	J. Hartblat
	Surfman W. Fischman	Holland	Sam Miller
	Sr. Lieut. M. Fischman	Holland	Jack Liman
	25. Sr. Lieut. M. Fischman	Holland	Rolf Lubin
	Sr. Lieut. M. Fischman	Holland	Walter Degren
	Surfman W. Fischman	Holland	A. Keller
	26. Captain Nat Ballard	Holland	Jim Morton
	Captain Nat Ballard	Holland	Wm. Kalisky
	Surfman W. Fischman	Holland	Isidor Shapiro
	27. Captain Nat Ballard	Holland	Mary Donnar
	Jr. Lieut. S. Rudin	Holland	Benj. Jacobowitz
	Jr. Lieut. S. Rudin	Holland	H. Bernstein
	Surfman Silverman	Holland	Mr. Berkowitz
	28. Captain Nat Ballard	Holland	Rose Kabach
	Captain Nat Ballard	Holland	May Ryder
	Captain Nat Ballard	Holland	Manuel Smith
	Captain Nat Ballard	Holland	John Coleman
	Surfman John Pasternak	Holland	M. Bender
	Jr. Lieut. S. Rudin	Holland	C. Maney
	Surfman W. Fischman	Holland	L. Pallant
	29. Sr. Lieut. M. Fischman	Holland	A. Gallagher
	Sr. Lieut. M. Fischman	Holland	Eddie Freidman
	Captain Nat Ballard	Holland	Unknown child
	Captain Nat Ballard	Holland	May Weinstein
	Captain Nat Ballard	Holland	Morris Shahan
	Jr. Lieut. S. Rudin	Holland	J. Levine
	Jr. Lieut. S. Rudin	Holland	Harry Gorman
	Boatswain Ed. Rudin	Holland	H. Zuckerman
	Surfman W. Fischman	Holland	D. Kasser
	Surfman W. Fischman	Holland	Nathan Geiger
	Sam Rudinsky	Holland	Jerry Portugal
	30. Surfman W. Fischman	Holland	Dave Gerahner
	Surfman W. Fischman	Holland	J. Greenberg
	Surfman W. Fischman	Holland	Jack Schalop
	31. Jr. Lieut. S. Rudin	Holland	J. Hahl
	Surfman W. Fischman	Holland	W. Goldfathan
	Surfman W. Fischman	Holland	Ruth Goodman
	Surfman W. Fischman	Holland	Margarite Deti
Aug.	1. Surfman W. Fischman	Holland	Al. Mendelsohn
	Surfman W. Fischman	Holland	Arthur Lakfur
	Surfman W. Fischman	Holland	M. Birmbaum
	Surfman W. Fischman	Holland	Joe Grossman
	Surfman W. Fischman	Holland	Walter Brans
	Surfman W. Fischman	Holland	D. Klealan
	Surfman W. Fischman	Holland	W. Lester
	Surfman W. Fischman	Holland	W. Ruosh
	Jr. Lieut. Rudin	Holland	Martin Moskowitz
	Jr. Lieut. Rudin	Holland	Abraham Blanck
	Jr. Lieut. Rudin	Holland	A. Rubin
	Jr. Lieut. Rudin	Holland	Isidor Garay
	Surfman Kynnel	Holland	A. Stengler
	Surfman Kynnel	Holland	Beatrice Davis
	Surfman Kynnel	Holland	Sam Leibowitz
	Captain Nat Ballard	Holland	Unknown
	2. Boatswain El. Rudin	Holland	B. Sher
	Boatswain El. Rudin	Holland	Benjamin Weisman
	Captain Nat Ballard	Holland	Irving Wolkow
	Captain Nat Ballard	Holland	Rose Enright

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	2. Captain Nat Ballard.....	Holland.....	Baby St. Clair
	Captain Nat Ballard.....	Holland.....	Ray Tanner
	Captain Nat Ballard.....	Holland.....	Cora Raphaill
	Surfman A. Kommell.....	Holland.....	M. Doucher
3.	Surfman W. Fischman.....	Holland.....	Zeister Allen
	Surfman W. Fischman.....	Holland.....	Jimmie Regan
	Surfman W. Fischman.....	Holland.....	Jack Cuperman
	Surfman W. Fischman.....	Holland.....	Sam Rossen
	Surfman W. Fischman.....	Holland.....	Sam Burnstein
	Surfman W. Fischman.....	Holland.....	Frank Keenan
	Surfman W. Fischman.....	Holland.....	Jack Wilson
	Captain Nat Ballard.....	Holland.....	May Roth
	Captain Nat Ballard.....	Holland.....	Beatrice Davis
	Captain Nat Ballard.....	Holland.....	Louis Shapiro
	Captain Nat Ballard.....	Holland.....	N. Kurts
	Captain Nat Ballard.....	Holland.....	Helen Kline
	Captain Nat Ballard.....	Holland.....	K. Roth
	4. Captain Nat Ballard.....	Holland.....	J. Iax
	Captain Nat Ballard.....	Holland.....	S. Kline
	Captain Nat Ballard.....	Holland.....	B. Hurling
	Captain Nat Ballard.....	Holland.....	F. Jati
	Captain Nat Ballard.....	Holland.....	L. Olson
	Captain Nat Ballard.....	Holland.....	K. Levinson
	Captain Nat Ballard.....	Holland.....	M. Schwab
	Surfman W. Fischman.....	Holland.....	S. Bronner
	Surfman W. Fischman.....	Holland.....	M. Smith
	Surfman W. Fischman.....	Holland.....	A. Meldson
	Surfman W. Fischman.....	Holland.....	Wm. Blozer
5.	Surfman W. Fischman.....	Holland.....	Sam Johnsons
	Surfman M. Brown.....	Holland.....	Louis Green
	Surfman M. Brown.....	Holland.....	Joe Kastner
	Surfman Minserheimer.....	Holland.....	Mitchell Lokos
	Boatswain Ed. Rudin.....	Holland.....	Jack Favisberg
	Barney Schlag.....	Holland.....	Sydney Goldberg
	Jr. Lieut. S. Rudin.....	Holland.....	Wm. Loft
	Jr. Lieut. S. Rudin.....	Holland.....	C. Levine
	Jr. Lieut. S. Rudin.....	Holland.....	Dan Spooner
	Jr. Lieut. S. Rudin.....	Holland.....	Jack Pchlont
	Jr. Lieut. S. Rudin.....	Holland.....	A. White
	Jr. Lieut. S. Rudin.....	Holland.....	H. Silberman
	Jr. Lieut. S. Rudin.....	Holland.....	Max Gelber
	Jr. Lieut. S. Rudin.....	Holland.....	J. Lalhs
	Boatswain Ed. Rudin.....	Holland.....	O. Weiss
	Boatswain Ed. Rudin.....	Holland.....	Miss Unger
	Captain Nat Ballard.....	Holland.....	Sam Spritzer
	Captain Nat Ballard.....	Holland.....	Miss Pilget
	Captain Nat Ballard.....	Holland.....	E. Vitor
	Captain Nat Ballard.....	Holland.....	Ruth Tothmen
	Captain Nat Ballard.....	Holland.....	David Elis
	Surfman M. Brown.....	Holland.....	Alex Cohen
	Surfman M. Brown.....	Holland.....	R. M. Brown
	Surfman John Pastenak.....	Holland.....	Isadore Reimer
	Surfman John Pastenak.....	Holland.....	Max Kurts
	Surfman John Pastenak.....	Holland.....	S. Coppler
	Surfman John Pastenak.....	Holland.....	Louis Kleis
	Surfman John Pastenak.....	Holland.....	Joseph Pasher
	Surfman John Pastenak.....	Holland.....	S. Leizerowits
	Surfman John Pastenak.....	Holland.....	C. Krondfeld
	Surfman Sam Rudinsky.....	Holland.....	S. Cowan
	Surfman Minserheimer.....	Holland.....	Dr. Albert Kreitman

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. Dr. Goldstein.....	Holland.....	C. H. Ribble
	Surfman W. Fischman.....	Holland.....	Chas. Letrell
	Sr. Lieut. M. Fischman.....	Holland.....	J. Terfeld, Jr.
	Sr. Lieut. M. Fischman.....	Holland.....	Naomie Aerowkow
6.	Surfman W. Fischman.....	Holland.....	Louis Zicht
	Surfman W. Fischman.....	Holland.....	Frank Schoeman
	Surfman W. Fischman.....	Holland.....	Bannie Glick
	Surfman W. Fischman.....	Holland.....	Philip Grusky
	Surfman W. Fischman.....	Holland.....	M. Roser
	Surfman W. Fischman.....	Holland.....	S. Hurschman
	Surfman W. Fischman.....	Holland.....	H. Brown
	Surfman M. Brown.....	Holland.....	Max Webber
7.	Surfman W. Fischman.....	Holland.....	Frank Stetson
	Surfman W. Fischman.....	Holland.....	Edelson Bernard
	Surfman W. Fischman.....	Holland.....	S. Klein
	Surfman W. Fischman.....	Holland.....	H. Trupin
	Surfman W. Fischman.....	Holland.....	Louis Raskin
	Surfman W. Fischman.....	Holland.....	Pearl Wohle
	Surfman W. Fischman.....	Holland.....	Ben. Goldstein
	Surfman W. Fischman.....	Holland.....	I. Hyman
	Surfman W. Fischman.....	Holland.....	Fred Meyer
	Surfman W. Fischman.....	Holland.....	Morris Blackman
	Surfman W. Fischman.....	Holland.....	Z. Rubbin
	Surfman W. Fischman.....	Holland.....	B. Schurts
	Surfman W. Fischman.....	Holland.....	Sam Barman
	Surfman W. Fischman.....	Holland.....	D. Emanuel
	Surfman W. Fischman.....	Holland.....	Willie Lieberman
	Surfman W. Fischman.....	Holland.....	Rose Kossick
8.	Surfman W. Fischman.....	Holland.....	H. Wusman
	Surfman W. Fischman.....	Holland.....	Sol Goodman
	Surfman W. Fischman.....	Holland.....	Jack Seean
	Surfman W. Fischman.....	Holland.....	P. Salsman
	Surfman W. Fischman.....	Holland.....	M. Goldberg
	Surfman W. Fischman.....	Holland.....	Harry Liman
	Surfman W. Fischman.....	Holland.....	Pearl Friedman
	Surfman W. Fischman.....	Holland.....	Louis Shapiro
	Surfman W. Fischman.....	Holland.....	Joe Olgoner
	Surfman W. Fischman.....	Holland.....	Theodore Rubert
	Surfman W. Fischman.....	Holland.....	William Gilling
	Surfman W. Fischman.....	Holland.....	J. Weiss
	Surfman W. Fischman.....	Holland.....	B. Johnson
	Surfman W. Fischman.....	Holland.....	Ben Newdell
	Surfman W. Fischman.....	Holland.....	Marcella Shapiro
	Surfman W. Fischman.....	Holland.....	Wm. Karstone
	Captain Nat Ballard.....	Holland.....	Wm. Coleman
9.	Captain Nat Ballard.....	Holland.....	B. Pousman
	Captain Nat Ballard.....	Holland.....	Anna Rosenblutt
	Captain Nat Ballard.....	Holland.....	M. Solomon
	Captain Nat Ballard.....	Holland.....	A. Shonburg
	Jr. Lieut. S. Rudin.....	Holland.....	Ethel Weiner
	Surfman W. Fischman.....	Holland.....	B. Wosler
	Surfman W. Fischman.....	Holland.....	Joe Olgoner
	Surfman William Fischman....	Holland.....	Isidore Greenberg
	Surfman William Fischman....	Holland.....	B. Hyman
	Surfman William Fishman....	Holland.....	Abe Roth
10.	Captain Nat Ballard.....	Holland.....	Ada Shom
	Captain Nat Ballard.....	Holland.....	H. Sadenham
	Captain Nat Ballard.....	Holland.....	Al Rauch
	Captain Nat Ballard.....	Holland.....	S. Berman
	Captain Nat Ballard.....	Holland.....	Mary Gee

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 10.	Captain Nat Ballard.....	Holland.....	May Howard
	Captain Nat Ballard.....	Holland.....	Harry Frick
	Captain Nat Ballard.....	Holland.....	John Collins
	Captain Nat Ballard.....	Holland.....	M. Schoenberg
	Surfman M. Brown.....	Holland.....	Miriam Schwartz
	Surfman M. Brown.....	Holland.....	Aida Rubin
11.	Surfman Minserheimer.....	Holland.....	D. Rosaman
	Surfman Minserheimer.....	Holland.....	Samuel Lipman
	Surfman Minserheimer.....	Holland.....	Martine Moskowits
	Captain Nat Ballard.....	Holland.....	Max Fisher
	Captain Nat Ballard.....	Holland.....	Irving Yores
	Sr. Lieut. M. Fischman.....	Holland.....	A. Jacobson
	Surfman M. Brown.....	Holland.....	B. Brown
	Surfman W. Franklin.....	Holland.....	M. Chass
	Jr. Lieut. S. Rudin.....	Holland.....	Sam Freedland
	Jr. Lieut. S. Rudin.....	Holland.....	Jack Brown
	Surfman W. Fischman.....	Holland.....	J. Babinia
12.	Captain Nat Ballard.....	Holland.....	M. Shirman
	Captain Nat Ballard.....	Holland.....	Henry Roth
	Captain Nat Ballard.....	Holland.....	Sofia Resnick
	Captain Nat Ballard.....	Holland.....	I. Levy
	Jr. Lieut. S. Rudin.....	Holland.....	Jennie Feldman
	Jr. Lieut. S. Rudin.....	Holland.....	Dan Fox
	Jr. Lieut. S. Rubin.....	Holland.....	Al Garden
	Surfman Brown.....	Holland.....	H. Hilfer
	Captain Kahn.....	Holland.....	Albert Goodman
	Surfman Schuer.....	Holland.....	Rose Brown
13.	Captain Nat Ballard.....	Holland.....	Unknown child
	Captain Nat Ballard.....	Holland.....	Cora Williams
	Captain Nat Ballard.....	Holland.....	Leo Gueraky
	Captain Nat Ballard.....	Holland.....	May Cohen
	Captain Nat Ballard.....	Holland.....	Jennie Jacobson
	Captain Nat Ballard.....	Holland.....	Mrs. W. Ballard
	Captain Nat Ballard.....	Holland.....	W. Franklin
	Surfman W. Shur.....	Holland.....	M. Adler
14.	Surfman M. Brown.....	Holland.....	Max Cherug
	Surfman M. Brown.....	Holland.....	George Solomonowits
	Surfman M. Brown.....	Holland.....	Bendet Frank
	Surfman M. Brown.....	Holland.....	B. Schwink
	Surfman H. Schuer.....	Holland.....	Florence Miller
15.	Surfman W. Fischman.....	Holland.....	Abraham Pousman
	Surfman W. Fischman.....	Holland.....	W. Sidenburg
16.	Surfman W. Fischman.....	Holland.....	G. Gold
	S. Schenberg.....	Holland.....	Max Miller
	Surfman J. McCabe.....	Holland.....	Nelson Weinberg
17.	Surfman S. Schenberg.....	Holland.....	Harold Richman
	Surfman M. Brown.....	Holland.....	Gertrude Stoback
	Captain Nat Ballard.....	Holland.....	Miss Jacobson
18.	Surfman Minserheimer.....	Holland.....	Samuel Taback
	Surfman S. Schenberg.....	Holland.....	W. Blumenthal
	Surfman S. Schenberg.....	Holland.....	Joe Sullivan
	Surfman W. Fischman.....	Holland.....	M. Stinger
	Surfman W. Fischman.....	Holland.....	Gertrude Hyman
	Surfman W. Fischman.....	Holland.....	G. Gittets
	Surfman M. Brown.....	Holland.....	Meyer Sattlow
	Surfman M. Brown.....	Holland.....	Charlie Balter
	Surfman M. Brown.....	Holland.....	Charlie Balter
	Surfman M. Brown.....	Holland.....	Pearl Wohl
	Surfman S. Rudin.....	Holland.....	Mrs. Miller
19.	Captain Nat Ballard.....	Holland.....	W. Furst

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	19. Captain Nat Ballard.....	Holland.....	Bertha Wendt
	Captain Nat Ballard.....	Holland.....	Abe Marsh
	Captain Nat Ballard.....	Holland.....	Jim Corcoran
	Captain Nat Ballard.....	Holland.....	Joe Gold
	Captain Nat Ballard.....	Holland.....	Wm. Martin
	Captain Nat Ballard.....	Holland.....	John Rosen
	Captain Nat Ballard.....	Holland.....	May Marion
	Captain Nat Ballard.....	Holland.....	Josephine Reynolds
	Surfman M. Brown.....	Holland.....	Karl Halman
	Surfman M. Brown.....	Holland.....	Phil Wiedstein
	Surfman M. Brown.....	Holland.....	A. Jacobson
	Surfman M. Brown.....	Holland.....	Chas. Winter
	Surfman M. Brown.....	Holland.....	David Schulman
	Surfman M. Brown.....	Holland.....	Irving Sindler
	Surfman Minserheimer.....	Holland.....	Sam Sundwint
	Surfman Minserheimer.....	Holland.....	Max Ettinger
	Surfman Minserheimer.....	Holland.....	Minnie Pike
	Surfman W. Fischman.....	Holland.....	Rubin Malin
	Surfman W. Fischman.....	Holland.....	N. Geiger
	Surfman W. Fischman.....	Holland.....	M. Finkelstein
	Surfman W. Fischman.....	Holland.....	Jacob Estes
	Surfman McCabe.....	Holland.....	M. Schwartz
	Surfman McCabe.....	Holland.....	Irving Yores
	Surfman McCabe.....	Holland.....	Sol Wits
	Surfman Milton Rossa.....	Holland.....	Ida Gorkutit
	Surfman Sam Ridinski.....	Holland.....	Isidor Yager
	Surfman S. Schenberg.....	Holland.....	Arthur Earlish
	Surfman Walter Franklin.....	Holland.....	Eessie Frischman
	20. Captain Nat Ballard.....	Holland.....	Mary Finley
	Captain Nat Ballard.....	Holland.....	Anna Hodgstrom
	Captain Nat Ballard.....	Holland.....	Bertha Wyman
	Captain Nat Ballard.....	Holland.....	Isidor Davis
	Captain Nat Ballard.....	Holland.....	Abe Rauch
	Captain Nat Ballard.....	Holland.....	Max Hoffman
	Captain Nat Ballard.....	Holland.....	Gertrude Hoffman
	Surfman M. Brown.....	Holland.....	William Manner
	Surfman S. Schenberg.....	Holland.....	Elias Rauch
	Surfman W. Fischman.....	Holland.....	Sam Berg
	21. Surfman M. Brown.....	Holland.....	George Garten
	Surfman M. Brown.....	Holland.....	Mrs. Karech
	Surfman M. Brown.....	Holland.....	Sol Stern
	Surfman M. Brown.....	Holland.....	Miss Altmen
	Surfman M. Brown.....	Holland.....	John Pastorini
	Surfman M. Brown.....	Holland.....	P. Saccho
	Surfman W. Schur.....	Holland.....	Francis Convesor
	Surfman W. Schur.....	Holland.....	H. Furze
	Surfman W. Schur.....	Holland.....	Milton Urbalo
	Surfman W. Schur.....	Holland.....	T. Meyer
	Surfman W. Schur.....	Holland.....	J. Duffy
	Captain Nat Ballard.....	Holland.....	Charles Kolish
	Captain Nat Ballard.....	Holland.....	Silver Kolish
	Captain Nat Ballard.....	Holland.....	Jennie Cohen
	Captain Nat Ballard.....	Holland.....	Wm. Adams
	Captain Nat Ballard.....	Holland.....	Arthur Brown
	Captain Nat Ballard.....	Holland.....	Leo Grimes
	Surfman W. Fischman.....	Holland.....	Helen Daras
	Surfman Silverman.....	Holland.....	Al Shur
22.	Captain Nat Ballard.....	Holland.....	May Duley
	Captain Nat Ballard.....	Holland.....	J. Green
	Captain Nat Ballard.....	Holland.....	James McCormack

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug. 22.	Captain Nat Ballard.....	Holland.....	James Colohan
	Surfman M. Brown.....	Holland.....	R. Weinstein
	Surfman M. Brown.....	Holland.....	Robert Epstein
	Surfman W. Schur.....	Holland.....	S. Bernstein
	Surfman S. Schenberg.....	Holland.....	Howard Silverman
	Surfman W. Fischman.....	Holland.....	Jean Greenburt
23.	Captain Nat Ballard.....	Holland.....	Wm. Howard
	Captain Nat Ballard.....	Holland.....	Abe Mendelsohn
	Surfman Nat Jacobs.....	Holland.....	Mamie Kohler
24.	Captain Nat Ballard.....	Holland.....	Jenny Jacobson
	Captain Nat Ballard.....	Holland.....	Wm. Phillips
	Captain Nat Ballard.....	Holland.....	Robert Albert
	Captain Nat Ballard.....	Holland.....	Isaac Isadore
	Captain Nat Ballard.....	Holland.....	Ray Conover
	Captain Nat Ballard.....	Holland.....	James Ryerson
	Captain Nat Ballard.....	Holland.....	Jacob Gelerinter
	Captain Nat Ballard.....	Holland.....	H. Ruben
	Surfman W. Fischman.....	Holland.....	Nat Clain
	Surfman W. Fischman.....	Holland.....	Joe Berman
	Surfman W. Fischman.....	Holland.....	D. Stellan
	Surfman W. Fischman.....	Holland.....	Morris Crosin
	Surfman W. Fischman.....	Holland.....	Jack Ennis
	Surfman W. Fischman.....	Holland.....	B. Goldforb
	Surfman W. Schur.....	Holland.....	A. Goldberg
	Surfman W. Schur.....	Holland.....	L. Weiner
	Surfman W. Schur.....	Holland.....	Muriel Polonsky
	Surfman M. Brown.....	Holland.....	Norman Christie
	Sr. Lieut. E. Rudin.....	Holland.....	Jos. Gabel
25.	Captain Nat Ballard.....	Holland.....	John Raymond
	Captain Nat Ballard.....	Holland.....	Abe Jacobs
	Captain Nat Ballard.....	Holland.....	Rose Bernstein
	Captain Nat Ballard.....	Holland.....	May Erwin
	Captain Nat Ballard.....	Holland.....	John Johnson
	Captain Nat Ballard.....	Holland.....	Rose Rachel
	Captain Nat Ballard.....	Holland.....	James Cohen
	Captain Nat Ballard.....	Holland.....	May Durland
	Surfman W. Schur.....	Holland.....	Nat Jacobs
	Surfman W. Schur.....	Holland.....	Jack Nowits
	Surfman W. Schur.....	Holland.....	D. Pellittive
	Surfman W. Schur.....	Holland.....	L. Levine
	Jr. Lieut. S. Rudin.....	Holland.....	I. Wolk
	Jr. Lieut. S. Rudin.....	Holland.....	Jos. Citron
	Surfman W. Fischman.....	Holland.....	Sam Burch
	Surfman James Redmond.....	Holland.....	James Redmond
	Surfman Nat Jacobs.....	Holland.....	Mamie Kohler
	Surfman Minserheimer.....	Holland.....	Charles Spring
	Surfman Milton Rozsa.....	Holland.....	Abe Goldstein
	Captain Nat Ballard.....	Holland.....	Ed. Goller
	Captain Nat Ballard.....	Holland.....	Al Davis
	Captain Nat Ballard.....	Holland.....	M. Weinberg
	Captain Nat Ballard.....	Holland.....	Gabe Hallack
	Captain Nat Ballard.....	Holland.....	Roland Solace
	Captain Nat Ballard.....	Holland.....	Chris Toban
	Captain Nat Ballard.....	Holland.....	Rachel Blurtern
	Captain Nat Ballard.....	Holland.....	Rose Philis
	Captain Nat Ballard.....	Holland.....	Jack Cooperman
	Captain Nat Ballard.....	Holland.....	John Cohalan
	Captain Nat Ballard.....	Holland.....	Mary Simmons
	Captain Nat Ballard.....	Holland.....	Ray Standlop
	Surfman Silberman.....	Holland.....	Jack Cooperman

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	25. Surfman W. Fischman	Holland	B. Godman
	Surfman W. Schur	Holland	Nat Rauch
	Surfman M. Brown	Holland	L. Woloshen
	Surfman Minserheimer	Holland	Samuel Milhauer
	Jr. Lieut. S. Rudin	Holland	M. Spirl
	Captain Nat Ballard	Holland	Mrs. Finley
	Captain Nat Ballard	Holland	May Reed
	27. Captain Nat Ballard	Holland	Cora Phillips
	Captain Nat Ballard	Holland	Charles Waldon
	Captain Nat Ballard	Holland	Mable Kolesky
	Captain Nat Ballard	Holland	Wm. Martin
	Captain Nat Ballard	Holland	Mary Finstein
	Captain Nat Ballard	Holland	May Colesky
	Captain Nat Ballard	Holland	Abe Rosenthal
	Surfman W. Fischman	Holland	E. Standislar
	Surfman W. Fischman	Holland	Miss Silverman
	Surfman S. Schenberg	Holland	Charlie Lehman
	Captain Nat Ballard	Holland	Joseph Finley
	28. Captain Nat Ballard	Holland	Sidney Schur
	Captain Nat Ballard	Holland	Abe Silverby
	Captain Nat Ballard	Holland	Howard Watson
	Captain Nat Ballard	Holland	John Kable
	Captain Nat Ballard	Holland	Miss Cora Dybell
	Captain Nat Ballard	Holland	Jenny Boldstein
	Captain Nat Ballard	Holland	J. Gold
	Captain Nat Ballard	Holland	Wilbert Openbols
	Captain Nat Ballard	Holland	J. J. Williams
	Captain Nat Ballard	Holland	Mabel Simon
	Captain Nat Ballard	Holland	Edward Ring
	Captain Nat Ballard	Holland	Daisy Goldstein
	Captain Nat Ballard	Holland	Ray Monty
	Surfman W. Schur	Holland	H. Silverman
	Surfman W. Schur	Holland	Arthur Schur
	Surfman W. Schur	Holland	J. Johnson
	Surfman W. Fischman	Holland	Sy. Schults
	W. Fischman	Holland	E. Hurtsburg
	29. Captain Nat Ballard	Holland	M. Klein
	Captain Nat Ballard	Holland	Becky Engle
	Captain Nat Ballard	Holland	Anna Finley
	Captain Nat Ballard	Holland	Mary Finley
	W. Fischman	Holland	E. Fachman
	W. Fischman	Holland	F. Hyman
	Jr. Lieut. S. Rudin	Holland	S. Jackowitz
	30. W. Fischman	Holland	Nat Jacoburg
	W. Fischman	Holland	W. Mossabumcher
	W. Fischman	Holland	I. Cohen
	31. Captain Nat Ballard	Holland	Patty Finley
	Captain Nat Ballard	Holland	Vergie Rulin
	Captain Nat Ballard	Holland	Anna Rainer
	W. Fischman	Holland	Abe Labison
Sept.	1. Surfman M. Brown	Holland	Elsie Beiting
	2. Captain Nat Ballard	Holland	Bertha Blau
	Captain Nat Ballard	Holland	Roe Fischman
	Captain Nat Ballard	Holland	Sam Schults
	Captain Nat Ballard	Holland	Sadie Trauppin
	Captain Nat Ballard	Holland	E. Jackson
	W. Fischman	Holland	George Lester
	W. Fischman	Holland	Fannie Schuer
	W. Fischman	Holland	Abe Mendelsohn
	Jr. Lieut. S. Rudin	Holland	Sol. Uman

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Sept.	2. Jr. Lieut. S. Rudin.....	Holland.....	Lily Emmanuel
	Surfman Schenberg.....	Holland.....	Emanuel Sonnenshing
	Surfman L. Bloom.....	Holland.....	Mary O'Tully
	Surfman M. Brown.....	Holland.....	Isable Baulton
3.	Surfman Dr. Silverman.....	Holland.....	Anna Freidell
	Surfman Schuer.....	Holland.....	Isaac Meyer
	Surfman W. Fischman.....	Holland.....	May Callan
	Surfman W. Fischman.....	Holland.....	Ben Hyman
	Surfman W. Fischman.....	Holland.....	Edith Law
	Surfman W. Fischman.....	Holland.....	Lou Blum
	Surfman W. Fischman.....	Holland.....	Sam Hill'drit
	Captain Nat Ballard.....	Holland.....	John Williams
	Captain Nat Ballard.....	Holland.....	Frank Finley
	Captain Nat Ballard.....	Holland.....	Mrs. Mathews
	Captain Nat Ballard.....	Holland.....	May Hollowits
	Captain Nat Ballard.....	Holland.....	Anna Hurshman
	Surfman M. Brown.....	Holland.....	T. F. Corrigan
	Surfman M. Brown.....	Holland.....	Peter Kaplan
	Surfman M. Brown.....	Holland.....	Bella West
	Surfman F. Minserheimer.....	Holland.....	S. Cohen
	Surfman F. Minserheimer.....	Holland.....	A. Goldberger
	Surfman Nat Jacobs.....	Holland.....	Mammie Vohler
	Jr. Lieut. S. Rudin.....	Holland.....	Anna Menbelowits
	Surfman Wm. Hain.....	Holland.....	Jack McKee
	Surfman M. Brown.....	Holland.....	Wm. Kishler
	4. Captain Nat Ballard.....	Holland.....	Abe Greenberg
	Captain Nat Ballard.....	Holland.....	S. Burnstein
	Surfman M. Amatuer.....	Holland.....	John Wormits
	Surfman M. Amatuer.....	Holland.....	M. Cohen
	5. Captain Nat Ballard.....	Holland.....	W. Warner
	Captain Nat Ballard.....	Holland.....	Wm. Fischman
	Captain Nat Ballard.....	Holland.....	Margaret Finley
	Wm. Fischman.....	Holland.....	J. Vassia
	W. Fischman.....	Holland.....	Max Gold
	W. Fischman.....	Holland.....	D. Fischman
	W. Fischman.....	Holland.....	S. Held
	6. W. Fischman.....	Holland.....	Mrs. Stanbad
	Captain Nat Ballard.....	Holland.....	Mary Cumming
	Captain Nat Ballard.....	Holland.....	Joe Carr
	Captain Nat Ballard.....	Holland.....	Rose Enright
	Captain Nat Ballard.....	Holland.....	Miss Quinn
	Captain Nat Ballard.....	Holland.....	Jim Finley
	Captain Nat Ballard.....	Holland.....	May Bernan
	Captain Nat Ballard.....	Holland.....	Joe Doyle
	Captain Nat Ballard.....	Holland.....	Anna Jackobs
	Captain Na Ballard.....	Holland.....	W. Ble d
	Captain Nat Ballard.....	Holland.....	J. Goldstein
	Captain Nat Ballard.....	Holland.....	M. Sohons
	W. Fischman.....	Holland.....	S. Scholdman
	W. Fischman.....	Holland.....	Gertie Raugh
7.	Captain Nat Ballard.....	Holland.....	Mary Salshifire
	Captain Nat Ballard.....	Holland.....	Roland McCabe
	Captain Nat Ballard.....	Holland.....	Miss Ricker
	Captain Nat Ballard.....	Holland.....	Miss O'Roke
	Captain Nat Ballard.....	Holland.....	Wm. Greenthal
	Captain Nat Ballard.....	Holland.....	Jennie Jacobson
	Captain Nat Ballard.....	Holland.....	Clara Golden
	Captain Nat Ballard.....	Holland.....	John McMahan
	Surfman W. Fischman.....	Holland.....	Sam Feldman
	Surfman W. Fischman.....	Holland.....	Frank Isabill

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Sept.	7. Surfman W. Fischman	Holland	K. Barch
	Surfman W. Fischman	Holland	Unknown man
	8. Surfman W. Fischman	Holland	S. Trappan
	Surfman W. Fischman	Holland	Wm. Philips
	Surfman W. Fischman	Holland	M. K. Silverman
	Surfman W. Fischman	Holland	M. Colain
	Surfman W. Fischman	Holland	Percy William
	Surfman W. Fischman	Holland	Mrs. Coyen
	Surfman W. Fischman	Holland	Isaac Cohen
	Surfman W. Fischman	Holland	Miss Cornsky
	Surfman W. Fischman	Holland	Mrs. N. Ballard
	Surfman W. Fischman	Holland	Walter Gali
	Surfman W. Fischman	Holland	Mrs. Sandfere
	Surfman W. Fischman	Holland	B. Ruereil
	Captain Nat Ballard	Holland	Miss Rozen
	Captain Nat Ballard	Holland	Barney Wakefield
	Captain Nat Ballard	Holland	Mary Finley
	Captain Nat Ballard	Holland	Mary Korninsky
	Surfman W. Fischman	Holland	Richard McNally
	10. Surfman W. Fischman	Holland	Aida Schnider
	Surfman W. Fischman	Holland	Mary Schults
	Captain Nat Ballard	Holland	John Log
	11. Captain Nat Ballard	Holland	E. J. Summerhayes
	Captain Nat Ballard	Holland	Josephine Raff
	Captain Nat Ballard	Holland	Marion Senour
	12. Surfman W. Fischman	Holland	W. Weiner
	Captain Nat Ballard	Holland	Nat Motion
	Captain Nat Ballard	Holland	James Lax
	Captain Nat Ballard	Holland	Child
	15. Surfman W. Fischman	Holland	S. Sidner
	Surfman W. Fischman	Holland	May Standford
	16. Surfman M. Brown	Holland	Fred Mullen
	Surfman M. Brown	Holland	Sol. Katz
	Surfman M. Brown	Holland	Lillie Goldstein
	Captain Nat Ballard	Holland	D. Burchanits
	18. Surfman W. Fischman	Holland	Frits Seeman
	Surfman W. Fischman	Holland	Mrs. Beachman
	Surfman M. Brown	Holland	A. Schieff
	19. Surfman W. Fischman	Holland	B. Cleaman
	20. Surfman M. Brown	Holland	Gertrude Weiss
	23. Surfman W. Fischman	Holland	Lucille Gottlieb
	Surfman W. Fischman	Holland	Salina Gatterman
	Surfman W. Fischman	Holland	Sam Kornkuess
	26. Surfman W. Fischman	Holland	Ben Weidell
	27. Surfman W. Fischman	Holland	Anna Wexler
	Surfman W. Fischman	Holland	Mrs. Greenburg
	Surfman W. Fischman	Holland	Frank Rosenthal
	28. Surfman W. Fischman	Holland	J. Wassinkofry
	Surfman W. Fischman	Holland	Ted McCombs
	Surfman W. Fischman	Holland	J. Wallace
	29. Surfman W. Fischman	Holland	Sadie Schwartz
	Surfman W. Fischman	Holland	Anna Smith
	Surfman W. Fischman	Holland	Ben Lang
	Surfman W. Fischman	Holland	Wm. Baduliet
	Surfman W. Fischman	Holland	Frank Johnson
	Surfman W. Fischman	Holland	Bill Faelion
	Surfman W. Fischman	Holland	Bellard Schnieder
	Surfman W. Fischman	Holland	John Pauchagase
	Surfman W. Fischman	Holland	Fred Millson
	Surfman W. Fischman	Holland	Sam Hurachman
	Surfman W. Fischman	Holland	Ben Schileburg

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	1. Commodore Wright.....	West Rockaway.....	Unknown
	Commodore Wright.....	West Rockaway.....	B. B. Gattell
Aug.	1. Commodore Wright.....	West Rockaway.....	Wm. Streit
Sept.	10. Commodore Wright.....	West Rockaway.....	Alfred Hoegel
	13. Dr. Daniel Cook.....	West Rockaway.....	Raymond Anderson
March	25. Surg. Mate Victor Wolson.....	Rockaway Point.....	Mrs. Wolson
May	23. Surg. Mate Victor Wolson.....	Rockaway Point.....	Mr. Nielsen
June	25. Jr. Lieut. and Captain Ring and Davies.....	Rockaway Point.....	Mrs. Carroll
	26. Surfman Paul Hartel.....	Rockaway Point.....	Mr. Pierson
	Captain Mergenthaler.....	Rockaway Point.....	Harry Lewis
	30. Vice-Com. Henry Beling.....	Rockaway Point.....	Mrs. H. M. Beling
	Vice-Com. Henry Beling.....	Rockaway Point.....	Mr. Howell
July	15. Captain Mergenthaler.....	Rockaway Point.....	George Paul
	Jr. Lieut. Ring.....	Rockaway Point.....	J. Kapplemann
Sept.	30. Vice-Com. Henry Beling.....	Rockaway Point.....	Mr. Kirk
May	19. Jr. Lieut. Paul Stellman.....	Rockaway Point.....	Geo. Kraverath, Capt.
July	22. Capt. Geo. Kraverath.....	Rockaway Point.....	Eric Johnson
	Capt. Geo. Kraverath.....	Rockaway Point.....	Chas. Lehmann
	24. Vice-Com. H. M. Beling.....	Rockaway Point.....	Mr. H. Schmidt
Aug.	12. Surg. Mate McLaughlin.....	Rockaway Point.....	E. C. Laine
	Surg. Mate McLaughlin.....	Rockaway Point.....	Joseph McGivin
	Surg. Mate McLaughlin.....	Rockaway Point.....	Peter Kirch
	13. Jr. Lieut. Paul Stellman.....	Rockaway Point.....	Geo. Aichele
	19. Surg. Mate McLaughlin.....	Rockaway Point.....	C. Moe
	Surg. Mate McLaughlin.....	Rockaway Point.....	Wm. Higgins
	Surg. Mate McLaughlin.....	Rockaway Point.....	Francis Kipp
Sept.	2. Captain Kraverath.....	Rockaway Point.....	W. D. Richards
	3. Captain Kraverath.....	Rockaway Point.....	Chas. Brand
Aug.	5. Surg. Mate Hartman.....	Edgemere.....	John Phulan
	10. Dr. Connor.....	Edgemere.....	Paul Poundexter
	12. Harry Hartman.....	Edgemere.....	B. Lock
	19. W. Bond.....	Edgemere.....	Geo. Weise
	W. Bond.....	Edgemere.....	Harry Hartman
	26. Harry Hartman.....	Edgemere.....	Algo Buchheister
	Harry Hartman.....	Edgemere.....	Jack Wolf
	Harry Hartman.....	Edgemere.....	Laurine Bader
	D. Trumpy.....	Edgemere.....	W. Bond

RESCUES

Date 1917	Member making rescue	Place where	Person rescued
June	20. Joe Connors.....	Hell Gate.....	George Searles
July	22. Surfman Kunst.....	Hell Gate.....	John Westdorff
Aug.	1. Surfman Joseph Connors.....	Hell Gate.....	Mary Carroll
	2. Surfman Joseph Connors.....	Hell Gate.....	Anna Kelly
	4. Surfman Ed. Krolman.....	Hell Gate.....	William Betts
	5. Surfmen C. Smith, Reid, Con- nors.....	Hell Gate.....	John Jenkins
	12. Surfman Schawachter, Smith, Connors.....	Hell Gate.....	Benny Kerahinkse
	13. Kavanaugh, M. Frowley, J. Lake.....	Hell Gate.....	John Casterka
	Kavanaugh, M. Frowley, J. Lake.....	Hell Gate.....	Sadie Jacobs
	Kavanaugh, M. Frowley, J. Lake.....	Hell Gate.....	Tony Mixon
Aug.	8. Surfman O. Kamper.....	Seaside Bay.....	Pete McDermott
	10. Surfman Willie Smith.....	Seaside Bay.....	Unknown
	Surfman Jack Cutler.....		

Date 1917	Member making rescue	Place where	Person rescued
Sept.	2. Boatswain Karl Engbrock.....	Seaside Bay.....	Unknown
	4. Surfman William Smith.....	Seaside Bay.....	Unknown
	5. Boatswain Karl Engbrock.....	Seaside Bay.....	Walter Weber
June	23. Crew of Holland Station.....	Holland.....	Mrs. De Leob
July	1. Surfman William Fischman.....	Holland.....	Unknown Man
	Surfman William Fischman.....	Holland.....	Unknown Man
	4. Surfman Fischman.....	Holland.....	Jack Sapero
	Dr. Silberman.....		
	5. Captain Nat Ballard.....	Holland.....	Unknown Man
	7. W. Fischman.....	Holland.....	Samuel Muhlbauer
	8. Sr. Lieut. M. Fischman.....	Holland.....	Rose Sprong
	15. Pasternack.....		
	B. Rudin.....	Holland.....	Wm. Chaus
	Brown.....		
	17. W. Fischman.....	Holland.....	Mary Malla
	W. Fischman.....	Holland.....	Mary Malla
	19. W. Fischman.....	Holland.....	Unknown Man
	26. Sr. Lieut. M. Fischman.....	Holland.....	Isidore Rothman
	27. Captain Nat Ballard.....	Holland.....	James Conklin
Aug.	8. William Fischman.....	Holland.....	Ida Kaplan
	9. William Fischman.....	Holland.....	Anna Gerhardt
	11. Max Fischman.....	Holland.....	Louis Balteransky
	Max Fischman.....	Holland.....	J. Solemurtsh
	15. Captain Nat Ballard.....	Holland.....	Six boys
	19. Surfman Nat Jacobs.....	Holland.....	Peter Demakos
	Captain Nat Ballard.....	Holland.....	Ada Schonberger
	Max Fischman.....		
	21. Surfman Nat Jacobs.....	Holland.....	Bertha Lichtman
	24. Captain Nat Ballard.....	Holland.....	Young child
	25. Captain Nat Ballard.....	Holland.....	Unknown
	S. Rudin.....		
	Walter Schur.....	Holland.....	Ray Pitcher
	Sam Blum.....		
Sept.	1. Nat Jacobs.....	Holland.....	Mrs. Kohler
June	3. Captain Kraverath.....	West Rockaway.....	Motor boat (2 persons)
	Lieut. Stellmach.....		
Sept.	3. Captain Arthur Davis.....	Rockaway Point.....	Unknown woman
Aug.	26. W. Bond.....	Edgemere.....	Lester Moler
	G. Weise.....	Edgemere.....	Sydney Milton
	G. Weise.....	Edgemere.....	Mrs. M. Miller

OLD MILL DIVISION

DISTRICT 8

Aug.	1. Superintendent Chas. E. Raynor	Old Mill.....	Unknown woman
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HOWARD BEACH DIVISION

DISTRICT 8

July	4. Boatswain George Knoche.....	Howard Beach.....	Unknown woman
	Captain George Laubenderfer..	Howard Beach.....	Grace Kilor
	8. Sr. Lieut. R. Savoye.....	Howard Beach.....	R. Knipfing
	17. Coxswain George Hofman.....	Howard Beach.....	Unknown child
	19. Coxswain George Hofman.....	Howard Beach.....	Unknown boy
	Boatswain George Knoche.....	Howard Beach.....	Unknown man
	29. Surfman Jack Bates.....	Howard Beach.....	Miss Brindle
	31. Boatswain George Knoche.....	Howard Beach.....	Charles Drake
	Sr. Lieut. R. Savoye.....	Howard Beach.....	R. Ashton
Aug.	2. Surfman George Buechner...}	Howard Beach.....	Margaret Gorman
	Boatswain George Knoche...}		

BOATS ASSISTED

OLD MILL DIVISION

Date 1917	Members giving assistance	Place where	Boats assisted
April	29. Supt. Chas. E. Raynor..... Captain J. Wien..... Vice-Commodore H. Pretlove.....	Old Mill.....	1 Sailboat
May	13. Supt. Chas. E. Raynor..... Captain J. Wien..... Supt. Chas. E. Raynor..... Captain J. Wien..... Vice-Commodore H. Pretlove..... Surfman W. Lagarenne.....	Old Mill.....	1 Row boat (4 persons)
	27. Supt. Chas. E. Raynor..... Captain J. Wien..... Supt. Chas. E. Raynor..... Captain J. Wien.....	Old Mill.....	1 Row boat (3 persons)
		Old Mill.....	1 Launch (6 persons)
		Old Mill.....	1 Row boat (4 persons)
June	17. Supt. Chas. E. Raynor..... Captain J. Wien.....	Old Mill.....	1 Row boat
July	4. Superintendent Chas. E. Raynor..... Superintendent Chas. E. Raynor..... Superintendent Chas. E. Raynor..... Superintendent Chas. E. Raynor..... 29. Captain J. Wien..... Surfman Lackenbauer.....	Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill.....	2 Row boats (3 persons) 1 Launch (1 person) 1 Sail boat (4 persons) 1 Launch (12 persons) 2 Row boats (4 persons)
Aug.	2. Superintendent Chas. E. Raynor..... Superintendent Chas. E. Raynor..... Surfman Lackenbauer..... 5. Surfman A. Plats..... 12. Captain J. Wien..... 15. Captain J. Wien..... Surfman Cleary..... 18. Surfman F. Matteson..... 20. Surfman John Meehan..... 25. Sr. Lieut. Scott..... Surfman Stevens..... Non-member F. Kamke..... Sr. Lieut. Scott..... Surfman Stevens..... Non-member F. Kamke..... Sr. Lieut. Scott..... Surfman Stevens..... Non-member F. Kamke.....	Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill.....	1 Launch (10 persons) 1 Row boat (6 persons) 1 Row boat (2 persons) 1 Sail boat (2 persons) 1 Row boat (2 persons) 1 Launch (7 persons) 1 Launch (1 person) 1 Motor boat (1 person) 1 Launch (7 persons) 1 Launch (3 persons) 1 Launch (4 persons) 1 Launch (4 persons)
Sept.	2. Captain J. Wien..... Surfman Lackenbauer..... Surfman W. Lagarenne..... Captain J. Wien..... Surfman Lackenbauer..... Captain J. Wien..... Surfman Lackenbauer..... 3. Surfman Matty..... 16. Captain J. Wien..... Surfman Lackenbauer.....	Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill..... Old Mill.....	1 Motor boat (5 persons) 1 Launch (9 persons) 1 Launch (5 persons) 1 Row boat (2 persons) 1 Row boat (4 persons) 1 Sail boat (4 persons)
Oct.	8. Surfman Stevens.....	Old Mill.....	1 Row boat

SANDS BAY DIVISION

May	6. Captain Julius Nuecke, Jr... Sr. Lieut. Frank S. Ritter...	Sands Bay Station.....	1 motor boat (7 persons)
	27. Coxswain Michael Ritter, Jr...	Sands Bay Station.....	1 row boat (4 persons)
June	11. Surfman Fred Ritter..... Coxswain Michael J. Ritter..	Sands Bay Station.....	1 cruiser

Date 1917	Members giving assistance	Place where	Boats assisted
June	24. Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	1 motor boat (5 persons)
July	4. Jr. Lieut. Gus Schnupp.....	Sands Bay Station.....	1 motor boat (4 persons)
	20. Jr. Lieut. Gus Schnupp.....	Sands Bay Station.....	1 motor boat (5 persons)
Aug.	19. Captain Julius Nueske, Jr....		
	Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	1 motor boat (2 persons)
	Surg. Mate Clifford Baldwin.....		
Sept.	9. Captain Julius Nueske, Jr....	Sands Bay Station.....	1 motor boat (3 persons)
	Sr. Lieut. Frank S. Ritter.....		
	Captain Julius Nueske, Jr....		
	Sr. Lieut. Frank S. Ritter.....	Sands Bay Station.....	1 motor boat (3 persons)
	Surg. Mate Clifford Baldwin.....		
	14. Surg. Mate Clifford Baldwin.....	Sands Bay Station.....	1 motor boat (4 persons)
	15. Captain Julius Nueske, Jr....	Sands Bay Station.....	1 motor boat (14 persons)
	Surg. Mate Clifford Baldwin.....		
	16. Jr. Lieut. Gus Schnupp.....	Sands Bay Station.....	1 row boat (5 persons)
	Surfman Fred Ritter.....	Sands Bay Station.....	1 row boat (3 persons)
	Surfman John Denig.....		
	Captain Julius Nueske, Jr....	Sands Bay Station.....	1 motor boat (8 persons)
	Sr. Lieut. Frank S. Ritter.....		
	Captain Julius Nueske, Jr....	Sands Bay Station.....	1 row boat (4 persons)
	Sr. Lieut. Frank S. Ritter.....		
Oct.	7. Captain Julius Nueske, Jr....	Sands Bay Station.....	1 motor boat (4 persons)
	Surfman Fred Ritter.....		
	21. Commodore Otto Nueske....	Sands Bay Station.....	1 motor boat (2 persons)
	Captain Julius Nueske, Jr....		

HOWARD BEACH DIVISION

July	4. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 motor boat
	Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 motor boat
	8. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 launch
	Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 motor boat
	Boatswain George Knoche....		
	14. Boatswain George Knoche....	Howard Beach Station.....	1 motor boat
	Sr. Lieut. R. Savoye.....		
	19. Boatswain George Knoche....	Howard Beach Station.....	1 motor boat
	20. Boatswain George Knoche....	Howard Beach Station.....	1 motor boat
	23. Surfman George Buechner....	Howard Beach Station.....	1 sail boat
	24. Surfman George Buechner....	Howard Beach Station.....	1 power boat (2 persons)
	29. Captain George Laubendorfer		
	Boatswain George Knoche....		
	Surfman Dornhust.....	Howard Beach Station.....	1 motor boat
	Surfman Faulkner.....		
	Surfman Jack Bates.....	Howard Beach Station.....	1 motor boat
	Boatswain George Knoche....		
	Captain George Laubendorfer		
	Surfman Dornhust.....	Howard Beach Station.....	1 motor boat
	Surfman Knoche.....		
	31. Surfman George Buechner....	Howard Beach Station.....	1 motor boat
	Boatswain George Knoche....		
Aug.	2. Surfman George Buechner....	Howard Beach Station.....	1 motor boat
	Boatswain George Knoche....		
	Surfman George Buechner....	Howard Beach Station.....	1 motor boat
	5. Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 motor boat
	Sr. Lieut. R. Savoye.....	Howard Beach Station.....	1 motor boat
	19. Captain George Laubendorfer..	Howard Beach Station.....	1 motor boat (10 persons)
	26. Sr. Lieut. R. Savoye.....		
	Surfman George Buechner....	Howard Beach Station.....	1 motor boat
June	3. Connors, Weisner, Kunst,		
	Scharwachter.....	Hell Gate.....	Motor boat (3 persons)

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Date 1917	Members giving assistance	Place where	Boats assisted
June	3. A. Kunst, E. Kavanaugh, J. Reid.....	Hell Gate.....	Motor boat (4 persons)
July	1. Surfmen Conway and Flynn...	Hell Gate.....	Motor boat (6 persons)
	8. Surfmen E. Krolman, W. Gibbons, J. Connors.....	Hell Gate.....	Motor boat (3 persons)
	14. Surfmen Conway, Flynn, Rutenberg.....	Hell Gate.....	Motor boat (3 persons)
	15. Fred Meyers and Lieut. Hook.	Hell Gate.....	Motor boat (3 persons)
	20. W. Habeck, Joe Connors, G. Scharwachter.....	Hell Gate.....	Motor boat (2 persons)
	22. Sr. Lieut. Woodward and Surfman Habeck.....	Hell Gate.....	Motor boat (8 persons)
	Surfman Gus Scharwachter....	Hell Gate.....	Motor boat (16 persons)
	Surfman Elmer Hirst.....	Hell Gate.....	Motor boat (7 persons)
	Surfman Elmer Hirst.....	Hell Gate.....	Motor boat (15 persons)
	29. Vice-Com. Reid, Captain Groat, Surfman Scharwachter.....	Hell Gate.....	Launch (8 persons)
Aug.	11. Surfman Hunter and Chichester, Norberg.....	Hell Gate.....	Motor boat (5 persons)
	Henry Heidecker, Chas. Wagner, Walter Habeck.....	Hell Gate.....	Motor boat (6 persons)
	17. Coxswain E. Michaels and Surfman E. Kavanaugh.....	Hell Gate.....	Motor boat (3 persons)
	Coxswain Tom Conway and Surfman H. Flynn.....	Hell Gate.....	Motor boat (2 persons)
Sept.	9. Captain Groat, Surfman E. Michaels and G. Chichester..	Hell Gate.....	Motor boat (5 persons)
	16. Captain Groat, Surfman F. Meyer and E. Hirst.....	Hell Gate.....	Motor boat (4 persons)
June	2. Boatwain R. Smith.....	Meadowmere.....	Rowboat
	3. Captain Kahn.....	Meadowmere.....	Row boat
	Captain Kahn.....	Meadowmere.....	Row boat
	Captain Kahn.....	Meadowmere.....	Row boat
	26. Surg. Mate Brunn.....	Meadowmere.....	Canoe
	17. Boatwain R. Smith.....	Meadowmere.....	Motor boat (4 persons)
	23. Captain Kahn.....	Meadowmere.....	J. Stephano
July	1. Captain Kahn.....	Meadowmere.....	Row boat (2 persons)
	Surfman Hofer.....	Meadowmere.....	Unique boat
	Surfman Hofer.....	Meadowmere.....	Row boat (2 persons)
	2. Surfman A. Moschle.....	Meadowmere.....	Canoe (2 persons)
	6. Captain A. Kahn.....	Meadowmere.....	"Joe" motor boat (4 persons)
	7. Sr. Lieut. T. Martin.....	Meadowmere.....	Motor boat (7 persons)
	Sr. Lieut. T. Martin.....	Meadowmere.....	Robert Callahan
	8. Captain A. Kahn.....	Meadowmere.....	Motor boat (5 persons)
July	9. Surfman H. Zimmerman.....	Seaside Bay.....	Launch
	10. Surfman W. Smith.....	Seaside Bay.....	Launch
	Surfman H. Zimmerman.....	Seaside Bay.....	Launch
	21. Surfman H. Zimmerman.....	Seaside Bay.....	Launch
	22. Surfman A. N. Cutler.....	Seaside Bay.....	Row boat
	23. Surg. Mate Geo. Weber.....	Seaside Bay.....	Motor boat (6 persons)
	25. Surfman O. Kamper.....	Seaside Bay.....	Mr. Wood's row boat
	27. Surg. Mate G. Weber and W. Smith.....	Seaside Bay.....	J. Murphy's row boat
Aug.	1. Surfman W. Smith.....	Seaside Bay.....	Mr. Casey
	6. Surfmen Monahan and Smith..	Seaside Bay.....	William Rogus' motor boat
	14. Surfmen W. Smith and O. Kamper.....	Seaside Bay.....	Row boat
	16. Surg. Mate Geo. Weber.....	Seaside Bay.....	Row boat (3 persons)

Date 1917	Member giving assistance	Place where	Boats assisted
Sept.	1. Surfman H. Zimmerman	Seaside Bay	Row boat (4 persons)
	3. Coxswain Weber	Seaside Bay	Motor boat (7 persons)
Sept.	30. Vice-Commodore Henry Beling	Rockaway	Canoe (2 persons)
July	29. W. Bond	Edgemere	Catamaran and 2 men

BODIES RECOVERED

OLD MILL DIVISION

DISTRICT 8

Date 1917	Members giving assistance	Place where	Bodies recovered
July	21. Vice-Commodore H. Pretlove.	Old Mill Station	J. J. Wursten

SANDS BAY DIVISION

DISTRICT 8

June	17. Captain George Laubendorfer } Sr. Lieut. R. Savoye	Sands Bay Station	Stewart Neilson
July	19. Surfman Milton, Brown, Fischman	Holland	Unknown man
	24. Surfman W. Fischman and M. Fischman	Holland	Unknown negro
Aug.	26. Vice-Commodore Harold Zulauf	Holland	Ernest Haber

WRECKAGE

Date 1917	Member giving assistance	Place where	Wreckage removed
Aug.	3. Jr. Lieut. Fred Ruoff	Seaside Bay	Large log
	6. Jr. Lieut. Fred Ruoff	Seaside Bay	Barrel
	Jr. Lieut. Fred Ruoff	Seaside Bay	Log
	10. Surfman Kamper	Seaside Bay	Large log
Aug.	12. W. Bond	Edgemere	Two barrels of glass
	22. W. Bond	Edgemere	Large piling, 12 inches x 12 inches x 20 inches

BOROUGH OF RICHMOND

FIRST AID

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	9. Dr. Ellis	Camp Pratt	Frank Shiply
	17. Dr. Ellis	Camp Pratt	Elmore Austy
	20. Dr. Ellis	Camp Pratt	Le Roy Thompson
	28. Dr. Ellis	Camp Pratt	W. Cocho
	Dr. Ellis	Camp Pratt	Ernest Orgsler
	30. Dr. Ellis	Camp Pratt	F. Smith
	Dr. Ellis	Camp Pratt	J. Wiley
Aug.	20. Robert Overton	Camp Pratt	Mr. Barnits
	22. Robert Overton	Camp Pratt	E. Gropler
	23. Dr. Ellis	Camp Pratt	H. King
	Dr. Ellis	Camp Pratt	Donald Riley
	24. Dr. Ellis	Camp Pratt	T. Aird
	E. Gropler	Camp Pratt	F. Kaufman
	25. E. Gropler	Camp Pratt	Frank Smith
	28. Dr. Ellis	Camp Pratt	Francis Quigly
	Robert Overton	Camp Pratt	Ashley Webster

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	31. Dr. Ellis.....	Camp Pratt.....	K. Van Catt
	Dr. Ellis.....	Camp Pratt.....	Frank Smith
	F. Kaufman.....	Camp Pratt.....	A. Kimber
	F. D. Ellis.....	Camp Pratt.....	Chas. Schnitslein
Sept.	1. F. D. Ellis.....	Camp Pratt.....	H. Kantrowitch
	F. D. Ellis.....	Camp Pratt.....	Colin Skinner
	F. D. Ellis.....	Camp Pratt.....	Frank Selser
	2. F. D. Ellis.....	Camp Pratt.....	Wm. Magill
	F. D. Ellis.....	Camp Pratt.....	Geo. Schminer
	F. D. Ellis.....	Camp Pratt.....	Philip Meagher
	F. D. Ellis.....	Camp Pratt.....	Howard Sumner
	F. D. Ellis.....	Camp Pratt.....	Adrian Kimbler
	F. D. Ellis.....	Camp Pratt.....	Donald McMann
	F. D. Ellis.....	Camp Pratt.....	Kenneth MacDougal
	3. F. D. Ellis.....	Camp Pratt.....	Robert Kamp
	F. D. Ellis.....	Camp Pratt.....	Kenneth Skinner
	F. D. Ellis.....	Camp Pratt.....	Albert O'Grady
	F. D. Ellis.....	Camp Pratt.....	Magor Bigelow
June	4. F. D. Ellis.....	Camp Pratt.....	Wm. Magill
	F. D. Ellis.....	Camp Pratt.....	Howard Sumner
	9. H. Carl.....	Ocean Edge.....	Peter O'Connor
	P. O'Connor.....	Ocean Edge.....	Joe Burdge
July	17. H. Welsh.....	Ocean Edge.....	Miss Turner
	24. Hanson & Anderson.....	Ocean Edge.....	William Morrel
	Norman Welsh.....	Ocean Edge.....	Louis Bressou
	4. J. Debris.....	Ocean Edge.....	Elenor Reilly
	Norman Welsh.....	Ocean Edge.....	Henry Emsthal
	T. Poets.....	Ocean Edge.....	Miss Grubel
	J. Debris & N. Welsh.....	Ocean Edge.....	Miss Muir
	N. Welsh.....	Ocean Edge.....	W. Halst
	5. C. Pekar.....	Ocean Edge.....	Albert Ahrens
	7. Arnold Nacht.....	Ocean Edge.....	Charles Etccl
	C. O'Connor.....	Ocean Edge.....	A. De Hopper
	Clifford Anderson.....	Ocean Edge.....	Theodore Eberhardt
	12. P. O'Connor.....	Ocean Edge.....	Sidney Ernstahl
	13. Horace Sarcott.....	Ocean Edge.....	Clifford Anderson
Aug.	T. Poets.....	Ocean Edge.....	Jos. Breivogel
	14. C. Pekar.....	Ocean Edge.....	Jack Flecher
	15. C. G. Pekar.....	Ocean Edge.....	Hilda Nordstrom
	17. P. O'Connor.....	Ocean Edge.....	E. Lindberg
	18. Clifford Anderson.....	Ocean Edge.....	Hilda Nordstrom
	Arnold Nacht.....	Ocean Edge.....	Margy Sylvester
	P. O'Connor.....	Ocean Edge.....	John Hopper
	21. J. Brewogel.....	Ocean Edge.....	H. Naufman
	Clifford Anderson.....	Ocean Edge.....	William Hanson
	22. Norman Welsh.....	Ocean Edge.....	G. Walsh
	H. Carl.....	Ocean Edge.....	W. A. Murry
	J. Brewogel.....	Ocean Edge.....	C. Anderson
	Horace Lurocott.....	Ocean Edge.....	Albert Grestorex
	26. Albert Grestorex.....	Ocean Edge.....	Frank Gunther
	29. Ted Poets.....	Ocean Edge.....	Unknown
Aug.	Chas. O'Connor.....	Ocean Edge.....	Walter Stafford
	H. Lurocott.....	Ocean Edge.....	Albert Ahrens
	1. P. O'Connor.....	Ocean Edge.....	Jimmy Flynn
	H. Carl.....	Ocean Edge.....	E. Dillon
	H. Lurocott.....	Ocean Edge.....	Unknown
	Ed. Dillon.....	Ocean Edge.....	Elaine Powers
	J. Debris.....	Ocean Edge.....	Stevens Charota
	3. H. Carl.....	Ocean Edge.....	Clifford Anderson
	4. Clifford Anderson.....	Ocean Edge.....	F. Sylvester

Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	4. Lawton Cavanaugh.....	Ocean Edge.....	Theo. Poets
	5. Norman Welsh.....	Ocean Edge.....	Walter Wolfer
	L. Cavanaugh & Willie Hanson.....	Ocean Edge.....	E. M. Brown
	Norman Welsh.....	Ocean Edge.....	Albert Grestorex
	Norman Welsh.....	Ocean Edge.....	Ernest Steiner
	H. Lurecott.....	Ocean Edge.....	J. Falkner
	7. Clifford Anderson.....	Ocean Edge.....	Joseph Bouvogel
	Albert Grestorex.....	Ocean Edge.....	Helene Oakes
	W. Hanson.....	Ocean Edge.....	Willam Hopper
	9. William Hopper.....	Ocean Edge.....	William Schieber
	Albert Grestorex.....	Ocean Edge.....	Alex Pollak
	10. Clifford Anderson.....	Ocean Edge.....	Sydney Ernstahl
	H. Carl.....	Ocean Edge.....	Jack Scanlon
	13. Chas. O'Connor.....	Ocean Edge.....	William Pappert
	Peter O'Connor.....	Ocean Edge.....	T. Ernstahl
	S. Bellows.....	Ocean Edge.....	Ellen Hauk
	14. William Hanson.....	Ocean Edge.....	Frank Gunther
	15. H. Lurcott.....	Ocean Edge.....	Clifford Anderson
	16. J. Breivogel.....	Ocean Edge.....	L. Mickelwich
	20. J. Breivogel.....	Ocean Edge.....	C. Nevin
	Joe. Eligman.....	Ocean Edge.....	James Muri
	22. W. Hopper.....	Ocean Edge.....	William Schaefer
	Charles O'Connor.....	Ocean Edge.....	William Hopper
	25. H. Ernstahl.....	Ocean Edge.....	Chas. Morris
	P. O'Connor.....	Ocean Edge.....	John Hopper
	26. Clifford Anderson.....	Ocean Edge.....	Mr. Schaeffer
Sept.	5. H. Carl.....	Ocean Edge.....	John Wright
	A. Nacht.....	Ocean Edge.....	Eleanor Reilly
	Arthur Anderson.....	Ocean Edge.....	Jack Schiffman
	8. H. Carl.....	Ocean Edge.....	Geo. Place
	9. C. O'Connor.....	Ocean Edge.....	Fred Carl
	10. C. G. Pekar.....	Ocean Edge.....	Mrs. Walker
	C. G. Pekar.....	Ocean Edge.....	Mrs. Mukdoon
	13. C. G. Pekar.....	Ocean Edge.....	Mr. Peterson
June	2. Chas. Curley.....	South Beach.....	Andrew Turano
	Chas. Curley.....	South Beach.....	Vito Penita
	3. Leo Schagrin.....	South Beach.....	Nick Salvatore
	Leo Schagrin.....	South Beach.....	Vincent Ford
	V. Erb.....	South Beach.....	Joe Harris
	G. Garnett.....	South Beach.....	James Martin
	G. Garnett.....	South Beach.....	Mrs. Lynch
	16. G. Garnett.....	South Beach.....	J. Keoah
	G. Garnett.....	South Beach.....	Gus Baush
	17. John Morris.....	South Beach.....	New York L. & S. Service
	George Garnett.....	South Beach.....	Dominic Minervo
	John Morris.....	South Beach.....	Frank Pelletiere
	20. E. Buck.....	South Beach.....	Helen Blanchard
	23. E. Buck.....	South Beach.....	Henry Wagner
	24. E. Buck.....	South Beach.....	Joseph Brabgu
	E. Buck.....	South Beach.....	John Brabgu
	E. Buck.....	South Beach.....	Pearl Englemen
	E. Buck.....	South Beach.....	Geo. Ungerdoon
	G. Garnet & Newill.....	South Beach.....	J. Erina
	G. Garnet & Newill.....	South Beach.....	Mrs. E. Bergongi
	Captain P. Ferrand.....	South Beach.....	Rene Bertha
	Captain P. Ferrand.....	South Beach.....	Edw. Costello
	Captain P. Ferrand.....	South Beach.....	Gertrude Hartmen
	Captain P. Ferrand.....	South Beach.....	Sam Cisin
	Captain P. Ferrand.....	South Beach.....	Frank Caracilio
	John Morris.....	South Beach.....	B. Leaner

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
June 26.	L. Schagrin.....	South Beach.....	P. Ricca
July 1.	William Weinberg.....	South Beach.....	Paul Travers
	George Garnet.....	South Beach.....	Ignatius Prestia
	George Garnet.....	South Beach.....	Raymond Nassucco
	John Morris.....	South Beach.....	Frank Frisco
	John Morris.....	South Beach.....	Anelio Stile
	John Morris.....	South Beach.....	Dick Walsh
	John Morris.....	South Beach.....	Frank Breny
	John Morris.....	South Beach.....	John Russio
	John Morris.....	South Beach.....	Ernest Turcaco
	John Morris.....	South Beach.....	Patay Parow
	John Morris.....	South Beach.....	Frank Melelio
	John Morris.....	South Beach.....	Vincent Scalice
	John Morris.....	South Beach.....	Carl Decangelo
2.	Andy Newell.....	South Beach.....	John Dotherity
4.	William Levine.....	South Beach.....	Henry Furfmer
	William Levine.....	South Beach.....	Miss Doe
	John Morris.....	South Beach.....	William Kennedy
	John Morris.....	South Beach.....	Charles Farrell
	John Morris.....	South Beach.....	Salvatore Martocci
	John Morris.....	South Beach.....	John Paggillo
	John Morris.....	South Beach.....	L. Delamatche
	John Morris.....	South Beach.....	Unknown
	John Morris.....	South Beach.....	Ray Furtenberg
	John Morris.....	South Beach.....	Joseph Dacunto
	Charles Curley.....	South Beach.....	Joe Galiardi
	Charles Curely.....	South Beach.....	Charles Curley
	Charles Curely.....	South Beach.....	Frank Petrocelli
	Leo Shagrin.....	South Beach.....	Peter Gogler
	C. Garnett.....	South Beach.....	A. Paulac
	C. Garnett.....	South Beach.....	C. Thomas
	Fred Kelley.....	South Beach.....	George Fugardi
	Fred Kelley.....	South Beach.....	Alfred De Angalis
	Fred Kelley.....	South Beach.....	Dominick Mervo
	William Marrow.....	South Beach.....	Alfred Giovani
6.	William Marrow.....	South Beach.....	Sam Rosina
7.	M. L. Pollack.....	South Beach.....	Illo Sagala
	M. L. Pollack.....	South Beach.....	Edward Krumm
	John Morris.....	South Beach.....	Charles Soeria
	William Weinberg.....	South Beach.....	Beasie Newel
8.	John Morris.....	South Beach.....	C. Kruse
	John Morris.....	South Beach.....	P. Andreachi
	John Morris.....	South Beach.....	Sherig Bolkmar
	John Morris.....	South Beach.....	Marie Murphy
	John Morris.....	South Beach.....	Edward Sigler
	G. Garnett.....	South Beach.....	J. Koch
	Captain Ferrand.....	South Beach.....	J. Doe
	W. Newill.....	South Beach.....	J. Doe
	Houae Watch.....	South Beach.....	Archie Loden
	L. Schagrin.....	South Beach.....	Paul Perassoner
	Charles Curley.....	South Beach.....	John Cagiano
	Charles Curley.....	South Beach.....	Louis F
	Charles Curley.....	South Beach.....	Charles Curley
	M. Pollock.....	South Beach.....	John Cook
9.	Wm. Weinberg.....	South Beach.....	Olof Olsen
14.	George Garnett.....	South Beach.....	Ruth Kidd
	E. Buck.....	South Beach.....	B. Gugulick
	E. Buck.....	South Beach.....	B. Gerguich
15.	Charles Curley.....	South Beach.....	Orlando Zambero
	George Garnett.....	South Beach.....	Edgar Wilkinson

Date 1917	Members rendering " first aid "	Place where	Persons assisted
July	16. William Levine.....	South Beach.....	Philip Scriffano
	17. George O'Brien.....	South Beach.....	Tony Mascie
	Charles Curley.....	South Beach.....	Wm. Wingard
	18. E. Buck.....	South Beach.....	Helen Blanchard
	20. E. Buck.....	South Beach.....	Bernard Baths
	Charles Curley.....	South Beach.....	Michael Flemming
	21. Andrew Newill.....	South Beach.....	Pasquale Boando
	John Morris.....	South Beach.....	Calvin Fenton
	22. V. Frolick.....	South Beach.....	Peter Macceline
	John Morris.....	South Beach.....	Eleanor Lynch
	John Morris.....	South Beach.....	E. Mendicino
	John Morris.....	South Beach.....	Joseph Morigia
	John Morris.....	South Beach.....	Berthold Lutae
	John Morris.....	South Beach.....	Joseph Soldati
	John Morris.....	South Beach.....	Anthony Tussino
	John Morris.....	South Beach.....	Raymond Sigler
	John Morris.....	South Beach.....	Andrew Newill
	Andrew Newill.....	South Beach.....	Marten Bengel
	Andrew Newill.....	South Beach.....	Joe Armento
	G. Garnett.....	South Beach.....	Fred Scannell
	G. Garnett.....	South Beach.....	William Arata
	George O'Brien.....	South Beach.....	Joseph Tedesco
	Albert Reimann.....	South Beach.....	John Williamson
	24. John Morris.....	South Beach.....	George Duffy
	Glanwood Life Guard.....	South Beach.....	Frits Ziegler
	William Marrow.....	South Beach.....	George Meyers
	Charles Curley.....	South Beach.....	Peter Fessie
	26. Charles Curley.....	South Beach.....	Flora Tamoglia
	28. Frank Verbeck.....	South Beach.....	A. Martin
	John Morris.....	South Beach.....	Jack Teery
	John Morris.....	South Beach.....	Paul Doyle
	G. Garnett.....	South Beach.....	Unknown men
	29. Charles Curley.....	South Beach.....	Rose Bowman
	Charles Curley.....	South Beach.....	M. Benealence
	Geo. Kubeth.....	South Beach.....	Miss Popper
	G. Garnett.....	South Beach.....	J. Doe
	G. Garnett.....	South Beach.....	G. Stewart
	John Morris.....	South Beach.....	Joseph Connione
	John Morris.....	South Beach.....	John Boggiano
	William Marrow.....	South Beach.....	Louis Saetta
	Andrew Newill.....	South Beach.....	S. Grillo
	Andrew Newill.....	South Beach.....	Gus Meyer
	Frank Verbeck.....	South Beach.....	William Benjamin
	E. Friest.....	South Beach.....	Rachel Levy
	E. Friest.....	South Beach.....	Richard Duhaupes
	E. Friest.....	South Beach.....	Clara Finnerts
	Albert Reimann.....	South Beach.....	Tessie Lehmeyer
	30. Charles Curley.....	South Beach.....	Nichlo: Engels
	31. Andrew Newill.....	South Beach.....	Frank Posa
	G. Garnett.....	South Beach.....	Thos. Conti
	G. Garnett.....	South Beach.....	James Casey
	Charles Curley.....	South Beach.....	W. Sheline
	Charles Crane.....	South Beach.....	Tinson Inranat
	Charles Crane.....	South Beach.....	Freddie Boase
	Charles Crane.....	South Beach.....	Casper Baumann
	G. Garnett, C. Crane, De Matteo.....	South Beach.....	Unknown man
	W. De Matteo.....	South Beach.....	Thomas Pagg
Aug.	1. S. Ferrand.....	South Beach.....	Anna Anderson
	S. Ferrand.....	South Beach.....	Philip Borodsky

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	1. Paul Ferrand.....	South Beach.....	Sam Martella
	P. Verbeck.....	South Beach.....	Mabel Bernard
	Leo Schagrin.....	South Beach.....	M. Angeline
	Leo Schagrin.....	South Beach.....	John Delucci
	Leo Schagrin.....	South Beach.....	Thomas Dwyer
	Leo Schagrin.....	South Beach.....	Bernard Scagneu
	Leo Schagrin.....	South Beach.....	Gus Moaro
	L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	Unknown man
	L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	Frankie Farman
	L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	P. Bailly
	L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	Ralph Modias
	L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	Angelo Cacaolet
	G. Garnett.....	South Beach.....	Charles Hey
	G. Garnett.....	South Beach.....	Rose Amort
	G. Garnett.....	South Beach.....	Frank Jackson
	G. Garnett.....	South Beach.....	Charles Catalano
	Charles Curley.....	South Beach.....	Aramado Gennrelli
	2. Victor Frolick.....	South Beach.....	Fritz Gilbert
	G. Garnett.....	South Beach.....	Clara Gresslar
	G. Garnett.....	South Beach.....	John Brady
	G. Garnett.....	South Beach.....	Ida Thress
	G. Garnett.....	South Beach.....	Mrs. McDonat
	G. Garnett.....	South Beach.....	Thomas Bamsedale
	Charles Curley.....	South Beach.....	John Wilson
	Geo. O'Brien.....	South Beach.....	George Murphy
	3. Charles Curley.....	South Beach.....	Albert Gregori
	Charles Curley.....	South Beach.....	John Fornier
	4. John Morris.....	South Beach.....	A. Melnik
	John Morris.....	South Beach.....	Miss E. Gluck
	John Morris.....	South Beach.....	Milton Schwartz
	John Morris.....	South Beach.....	J. Carey
	John Morris.....	South Beach.....	Mr. Mansine
	John Morris.....	South Beach.....	Mary Ditton
	John Morris.....	South Beach.....	Joe Miller
	John Morris.....	South Beach.....	Fannie Lichstein
	Charles Curley.....	South Beach.....	Joseph Serison
	Charles Curley.....	South Beach.....	David Kalish
	Albert Reimann.....	South Beach.....	Unknown person
	Leo Schagrin.....	South Beach.....	Frank Rocco
	5. John Morris.....	South Beach.....	Mrs. Lang
	John Morris.....	South Beach.....	William Massilo
	John Morris.....	South Beach.....	Frank Gopf
	John Morris.....	South Beach.....	Dominick Vincie
	John Morris.....	South Beach.....	John Digonti
	John Morris.....	South Beach.....	Edward Castelli
	John Morris.....	South Beach.....	John Pucci
	John Morris.....	South Beach.....	John Cartiganro
	John Morris.....	South Beach.....	Cacciely Wolkowsky
	John Morris.....	South Beach.....	Dominick Anglioso
	John Morris.....	South Beach.....	William Greevich
	John Morris.....	South Beach.....	Tony Kruandry
	John Morris.....	South Beach.....	Joe Cafest
	John Morris.....	South Beach.....	Buzzo Bosollo
	John Morris.....	South Beach.....	John Loi
	John Morris.....	South Beach.....	James Duty

Date 1917	Members rendering " first aid "	Place where	Persons assisted
Aug.	5. John Morris.....	South Beach.....	Michael Mazi
	John Morris.....	South Beach.....	Leonardo Murallo
	John Morris.....	South Beach.....	William McClean
	John Morris.....	South Beach.....	James Gordon
	Captain Ferrand.....	South Beach.....	Louis Campanello
	Captain Ferrand.....	South Beach.....	Pauline May
	Captain Ferrand.....	South Beach.....	Philip Miano
	Captain Ferrand.....	South Beach.....	Othello Agnos
	Captain Ferrand.....	South Beach.....	G. Ziegler
	Charles Crane.....	South Beach.....	Frank Setero
	Charles Crane.....	South Beach.....	George Fisher
	Leo Schagrin.....	South Beach.....	Boris Tatakouff
	Leo Schagrin.....	South Beach.....	Albert Marinelli
	Leo Schagrin.....	South Beach.....	Nicholas Coldasi
	G. Garnett.....	South Beach.....	Charles Preiss
	G. Garnett.....	South Beach.....	Charles Abelli
	Andrew Newell.....	South Beach.....	Tony Poggioli
	6. H. Reynolds.....	South Beach.....	Adolph Brasiniski
	7. Leo Schagrin.....	South Beach.....	Samuel Blackburn
	8. Captain Ferrand.....	South Beach.....	William Marrow
	11. John Morris.....	South Beach.....	John Gandini
	Charles Crane.....	South Beach.....	Frank Hogan
	12. J. Kelly, J. Morris, A. Newell.....	South Beach.....	Margaret Gillich
	J. Murphy.....	South Beach.....	Dominick Filoramo
	Charles Curley.....	South Beach.....	Sal. Rosito
	Charles Curley.....	South Beach.....	David Troeno
	Charles Curley.....	South Beach.....	Frank Tanisell
	Charles Curley.....	South Beach.....	John Slattery
	Albert Reimann.....	South Beach.....	Mrs. Clark
	Albert Reimann.....	South Beach.....	John Mason
	John Morris.....	South Beach.....	Elsie Bosco
	John Morris.....	South Beach.....	John Friscia
	John Morris.....	South Beach.....	Clement Lerma
	John Morris.....	South Beach.....	Philip Lamouch
	John Morris.....	South Beach.....	John Marchetti
	F. Kelly.....	South Beach.....	C. Makin
	F. Kelly.....	South Beach.....	Wm. Travers
	F. Kelly.....	South Beach.....	John Senonesi
	Andrew Newell.....	South Beach.....	Anthony Marchetti
	Surfman Chas. Crane.....	South Beach.....	Dominick Calama
	S. Ferrand.....	South Beach.....	Louis Delanarche
	Victor Frolick.....	South Beach.....	Irving Stupaky
	14. Charles Curley.....	South Beach.....	Samuel Premerano
	18. Charles Crane.....	South Beach.....	D. Canorby
	Charles Crane.....	South Beach.....	Fred Mack
	19. Charles Crane.....	South Beach.....	Nicholas Benocceagna
	Charles Crane.....	South Beach.....	Frank Marine
	Charles Crane.....	South Beach.....	Eric Earnest
	Charles Crane.....	South Beach.....	W. Schuman
	John Morris.....	South Beach.....	Tony Siorcia
	John Morris.....	South Beach.....	Geo. McDonald
	John Morris.....	South Beach.....	John Decoroli
	John Morris.....	South Beach.....	Wm. Buggelu
	John Morris.....	South Beach.....	Pius Mesna
	Andrew Newell.....	South Beach.....	Miss Rhodathorne
	Leo Shagrin.....	South Beach.....	John Jamdee
	Victor Frolick.....	South Beach.....	Gus Vetal
	William Levine.....	South Beach.....	David Horn
	G. Garnett.....	South Beach.....	Mrs. Loranse
	20. Chas. Curley.....	South Beach.....	Frank Clamo

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Date 1917	Members rendering "first aid"	Place where	Persons assisted
Aug.	21. Joseph Fricano.....	South Beach.....	Louis Assara
	22. C. Christ.....	South Beach.....	Anthony Epifania
	A. Epifania.....	South Beach.....	Geo. Loton
	Charles Crane.....	South Beach.....	Frank Miller
	24. Chas. Curley.....	South Beach.....	Daniel Crounon
	Chas. Curley.....	South Beach.....	Emilio De Marks
	26. Wm. Levine.....	South Beach.....	Joe Cayer
	Wm. Levine.....	South Beach.....	Scala Charles
	John Morris.....	South Beach.....	John Battagliola
	John Morris.....	South Beach.....	Anthony Coenasa
	John Morris.....	South Beach.....	Bob Canetta
	27. John Morris.....	South Beach.....	Louis Rosetti
	John Morris.....	South Beach.....	David Kiviat
	John Morris.....	South Beach.....	George Black
	28. Joseph Fricano.....	South Beach.....	Mr. Callan
	Dr. Nicolomi & Bill Baker.....	South Beach.....	Fred Kerrigan
	Bill Baker.....	South Beach.....	L. Laneri
	Charles Curley.....	South Beach.....	Joe Fenaldi
Sept.	3. Andrew Newell.....	South Beach.....	Harold Lordi
	John Morris.....	South Beach.....	Paul Ditta
	Leo Schagrin.....	South Beach.....	Jerber Morronney
	Charles Crane.....	South Beach.....	S. Furat
	G. Garnett.....	South Beach.....	Geo. Handt
	9. Surfman De Santo.....	South Beach.....	Lorenzo Danyelo
May	26. Charles Herr.....	Crescent Beach.....	Hasel Herr
June	7. Charles Herr.....	Crescent Beach.....	Unknown
	9. E. F. Hennessey.....	Crescent Beach.....	George Barkell
	10. E. F. Hennessey.....	Crescent Beach.....	Unknown
	17. Charles Herr.....	Crescent Beach.....	A. Westfal
July	4. Charles Herr.....	Crescent Beach.....	Norris Baum
	14. Harry McGillivray.....	Crescent Beach.....	Edith Olmhausen
	15. Harry McGillivray.....	Crescent Beach.....	David Monroe
	19. S. Siegelhorst, Jr.....	Crescent Beach.....	Unknown]
	22. Frank White & C. Herr.....	Crescent Beach.....	Unknown
	29. Ed. Hennessey & Rudolph Rademackey.....	Crescent Beach.....	Isabella Reynolds
Aug.	2. E. Hedman.....	Crescent Beach.....	Unknown
	7. E. Hedman.....	Crescent Beach.....	Unknown
	10. F. White, Jr.....	Crescent Beach.....	C. Siegelhorst
	12. C. Siegelhorst.....	Crescent Beach.....	Miss Pullin
	13. R. Rademacher.....	Crescent Beach.....	Miss Cohn
	19. F. White, Jr.....	Crescent Beach.....	E. Hedman
	F. White.....	Crescent Beach.....	N. Jurist
	20. E. Hedman.....	Crescent Beach.....	Mr. Roemer
	23. E. Hedman.....	Crescent Beach.....	Mrs. Harcourt
	25. Charles Herr.....	Crescent Beach.....	J. Kerbak
Sept.	16. Charles Herr.....	Crescent Beach.....	Harry Wench
	19. Charles Herr.....	Crescent Beach.....	Henry Woller
June	9. Coxsain Schuler.....	Raritan Bay.....	E. M. Gibb
	23. C. Harris.....	Raritan Bay.....	William Covell
July	1. F. Engel, Jr.....	Raritan Bay.....	Helen Johannsen
	2. F. Squires.....	Raritan Bay.....	Lieantia Hence
	C. Harris.....	Raritan Bay.....	Bill Hughes
	D. Whittaker.....	Raritan Bay.....	Buster Rogers
	5. D. Whittaker.....	Raritan Bay.....	Paul Lund
	D. Whittaker.....	Raritan Bay.....	J. Ringhoff
	8. C. B. Keffer.....	Raritan Bay.....	C. B. Keffer
	14. J. Griffin.....	Raritan Bay.....	Geo. Vogel
	15. G. Kurpan.....	Raritan Bay.....	G. Karpen
	16. G. Whittaker.....	Raritan Bay.....	Richard Ziegler

Date 1917	Members rendering "first aid"	Place where	Persons assisted
July	16. Captain Gibbs	Raritan Bay	Forbes Morris
	18. W. Moon	Raritan Bay	A. Morin
	D. Whittaker	Raritan Bay	F. Robrecht
	D. Whittaker	Raritan Bay	M. Close
	E. Griffin	Raritan Bay	Marie Farrell
	E. Griffin	Raritan Bay	Louis Johannsen
	G. Kayser	Raritan Bay	Geo. Engel
	19. G. Kayser	Raritan Bay	L. Gibb
	Surfman Chapman	Raritan Bay	Geo. Engel
	Surfman Chapman	Raritan Bay	Geo. Kayser
	20. D. Whittaker	Raritan Bay	B. Rogers
	W. Moon	Raritan Bay	Wm. Hughes
	E. Griffin	Raritan Bay	Helen Smith
	D. Whittaker	Raritan Bay	A. Morin
	D. Whittaker	Raritan Bay	C. Waechter
	21. C. Eatley, J. Moon, D. Whit- taker, Commodore Rausch- kolb and Doctors	Raritan Bay	Frank Prestler
	22. Charles Keffer	Raritan Bay	Mildred Fennell
	Surfman Meyler	Raritan Bay	R. Mount
	Geo. Engel	Raritan Bay	Sue. Morris
	C. Eatley	Raritan Bay	M. Mahling
	23. W. Moon	Raritan Bay	Stella Holm
	D. Whittaker	Raritan Bay	J. Canada
	R. Kayser	Raritan Bay	Clifford Wall
	Ray Miller	Raritan Bay	Paul Wasmund
	24. D. Whittaker	Raritan Bay	W. Trevail
	Chas. Keffer	Raritan Bay	Fred Blamats
	25. Surfman Waterson	Raritan Bay	Jack Inderwies
	26. Surfman T. F. Morris	Raritan Bay	Paul Wasmund
	Wm. Hughes	Raritan Bay	Frances Welch
	27. D. Whittaker	Raritan Bay	C. Inderwies
	29. George Engel	Raritan Bay	George Kayser
	30. George Engel	Raritan Bay	George Kayser
	31. Paul Wasmund	Raritan Bay	Annabelle Moon
	Wm. Weber	Raritan Bay	Charles Hector
	Wm. Moon	Raritan Bay	A. Brown
	E. Griffin	Raritan Bay	William Travor
	Paul Wasmund	Raritan Bay	Marie Tier
	E. Griffin	Raritan Bay	Ruth Wasmund
Aug.	2. D. Whittaker	Raritan Bay	E. Howard
	Geo. Engel	Raritan Bay	Geo. Kayser
	G. Kayser	Raritan Bay	Mias F. Dunn
	3. D. Whittaker	Raritan Bay	Edward Ryder
	Chas. Keffer	Raritan Bay	Frank Weits
	Wm. Moon	Raritan Bay	Andrew Carrel
	4. D. Whittaker	Raritan Bay	L. S. Gordon
	8. Wm. Moon	Raritan Bay	L. Bonnell
	9. D. Whittaker	Raritan Bay	V. Kissinger
	12. C. Harris	Raritan Bay	C. Harris
	16. Frank Wirts	Raritan Bay	K. Golder
	19. F. Squires, G. Waterson, and Webber	Raritan Bay	Mr. Lupton
	21. D. Whittaker	Raritan Bay	W. Chapman
	22. Geo. Engel	Raritan Bay	Geo. Kayser
	23. D. Whittaker	Raritan Bay	Marie Schmidt
	26. F. Squires	Raritan Bay	C. Coogan
	29. L. Rauschkolb	Raritan Bay	Wallace Bettie
Sept.	2. L. Rauschkolb	Raritan Bay	Herman Richter
	L. Rauschkolb	Raritan Bay	J. Sutphen

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Date 1917	Members rendering " first aid "	Place where	Persons assisted
Sept.	2. Geo. Waterson	Raritan Bay	Fred Jaegel
	6. L. Rauehkolb	Raritan Bay	Frank Cook
July	4. George Rand	Southfield Beach	Julia Contant
	George Rand	Southfield Beach	E. W. Worden
	George Rand	Southfield Beach	Ed. Meyer
	5. George Rand	Southfield Beach	Howard Keegan
	6. H. Bea	Southfield Beach	W. Peters
	7. G. Rand	Southfield Beach	Mrs. Maacher
	8. H. Bea	Southfield Beach	Douglas Hennessey
	H. Bea	Southfield Beach	James Catroi
	H. Bea	Southfield Beach	H. Helmer
	12. Harry Smith	Southfield Beach	Unknown
	13. W. Jeffrey	Southfield Beach	M. Flickin
	George Rand	Southfield Beach	Gustave Furst
	22. Harold Emerson	Southfield Beach	Lars Larsen
	Geo. Neefus	Southfield Beach	Emma Stadham
	Harry Smith and Thomas McCann	Southfield Beach	Joseph Swanson
	25. George Rand	Southfield Beach	T. Duffey
	27. George Rand	Southfield Beach	James Carcel
	28. George Rand	Southfield Beach	Helen Small
	George Rand	Southfield Beach	A. Werner
	H. Meyerdick	Southfield Beach	Ray Mulligan
	George Rand	Southfield Beach	H. E. Roberts
	29. George Rand	Southfield Beach	Horace Sedlow
	Charles Saydam	Southfield Beach	Unknown
	30. Harry Untied	Southfield Beach	Harry Speedway
	Harry Untied	Southfield Beach	I. Kierelo
Aug.	1. Harry Untied	Southfield Beach	H. Sword
	2. Harry Untied	Southfield Beach	Andrew Krause
	Harry Untied	Southfield Beach	D. Schwartz
	Harry Untied	Southfield Beach	Joe Cooper
	Harry Untied	Southfield Beach	Harry Sombor
	Harry Untied	Southfield Beach	George Willimar
	Harry Untied	Southfield Beach	John Locantre
	Harry Untied	Southfield Beach	Robert Powers
	Harry Untied	Southfield Beach	B. Michaleon
	5. A. E. Pascal	Southfield Beach	Angelo Petrocelli
	Smith & Emerson	Southfield Beach	Jos. Masso
	A. J. Bayan	Southfield Beach	First Aid Demonstration
	O. Pascal	Southfield Beach	Walter Reiman
	O. Pascal	Southfield Beach	Mrs. Teishman
	Harry Untied	Southfield Beach	George Moore
	Harry Untied	Southfield Beach	W. Murphy
	9. Harry Untied	Southfield Beach	Edna Cutabby
	12. Harry Untied	Southfield Beach	Sam Dossa
	Harry Untied	Southfield Beach	J. J. Kellery
	John Baeueker	Southfield Beach	John Boyd
	15. Harry Untied	Southfield Beach	Harry Weitsel
	Harry Untied	Southfield Beach	Mrs. Deaving
	16. Harry Untied	Southfield Beach	Salvadore Degery
	Harry Untied	Southfield Beach	Mrs. Cullen
	Harry Untied	Southfield Beach	Mildred Bernfeld
	19. Surfman Goodwin	Southfield Beach	John Schapp
	24. George Rand	Southfield Beach	Charles Eckert
	25. George Rand	Southfield Beach	Charles Kessler
	27. George Rand	Southfield Beach	Paul Phillips
Sept.	2. Harry Untied	Southfield Beach	Arthur Brown
	12. Harry Untied	Southfield Beach	Paul Meyer

RESCUES

Date 1917	Member making rescue	Place where	Person rescued
July	10. Captain Kaufman & Surfman Anderson.....	Camp Pratt.....	R. Thompson
	Surfman Harold Anderson.....	Camp Pratt.....	William Stoddard
	18. Surfman William Muller.....	Camp Pratt.....	John Scott
	19. Surfman William Muller.....	Camp Pratt.....	Chas. Meornam
	30. Surfman Harold Anderson.....	Camp Pratt.....	William Stoddard
Aug.	13. Captain Kaufman & Coxswain Overton.....	Camp Pratt.....	Chas. Bailey
	Coxswain Robert Overton.....	Camp Pratt.....	Albert Schillee
	17. Sen. Lieut. E. Gropler.....	Camp Pratt.....	Talbert McConnell
	19. Captain Kaufman.....	Camp Pratt.....	Henry Hoyer
	Captain Kaufman.....	Camp Pratt.....	Rudolph Juretic
	Captain Kaufman, Sr. Lieut. Gropler, Surfman Anderson..	Camp Pratt.....	H. O. Patton
	23. Coxswain R. Overton.....	Camp Pratt.....	W. Scott
July	7. Peter O'Connor.....	Ocean Edge.....	Simon Leenstack
	29. Junior Auxiliaries.....	Ocean Edge.....	Mike Egan
Aug.	18. Junior Auxiliaries.....	Ocean Edge.....	G. H. Ives
	29. C. Pekar, Horace Lurocott, Lawton Cavanagh.....	Ocean Edge.....	Wm. Stretcher
Sept.	3. H. Ernsthall, H. Carl.....	Ocean Edge.....	John Beacon
June	23. George Moore.....	South Beach.....	Edith Young
July	11. Dr. Pollack.....	South Beach.....	Paulo Machrode
	16. Geo. O'Brien.....	South Beach.....	John Hogan and John Doe
	Julius Johnson.....	South Beach.....	Mr. Pavis
	28. G. Garnett.....	South Beach.....	Unknown Girl
	29. Wm. Levine.....	South Beach.....	Pauline Freidman
	Albert Reimann.....	South Beach.....	Unknown man and woman
	Albert Reimann.....	South Beach.....	Unknown man and woman
	G. Garnett, G. O'Brien.....	South Beach.....	Unknown man and woman
	Victor Frolick, J. Morrie, A. Newell.....	South Beach.....	David Johnson
	Crew.....	South Beach.....	Catonmic Serafin
	W. Levine, A. Weiss.....	South Beach.....	John Doe
Aug.	1. A. Politi, Leo Schagrin.....	South Beach.....	Charles Fobino
	Victor Frolick, G. Garnett, L. Schagrin.....	South Beach.....	James Francisco
	7. Charles Curley.....	South Beach.....	Patay Leonard
	8. Joseph Fricano.....	South Beach.....	Catherine Ripa
	14. L. Verbeck.....	South Beach.....	Harold Meyer
	17. Joe Giovanniello.....	South Beach.....	John Monx
July	2. Coxswain Schuler and Aux. Harris.....	Raritan Bay.....	Three unknown men
	30. Charles Kaffer.....	Raritan Bay.....	James Miles
	31. C. Harris & P. Wasmund.....	Raritan Bay.....	Linda Wasmund
Aug.	2. Leon Gordon and Edgar Howard.....	Raritan Bay.....	Unknown man
	4. Surfman Chapman.....	Raritan Bay.....	Harriet Eesenbert
July	10. George Rand.....	Southfield Beach.....	Miss Flekner
	17. Harry Smith, C. Saydam.....	Southfield Beach.....	R. Dirkie
	22. Harry Nuss.....	Southfield Beach.....	Unknown
	29. T. McCann.....	Southfield Beach.....	Charles Johnson
Aug.	2. Charles Saydam.....	Southfield Beach.....	Sam Proetello
	3. Charles Saydam and Harry Nuss.....	Southfield Beach.....	Unknown

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1917 135

Date 1917	Member making rescue	Place where	Person rescued
Aug.	4. T. McCann.....	Southfield Beach.....	Unknown
	5. Bernard Maas.....	Southfield Beach.....	John Mordeliga
July	27. C. Siegalhorst.....	Crescent Beach.....	Unknown Italian
	30. Wm. Egloff.....	Crescent Beach.....	J. Herron
Aug.	5. Ed. Meyers and Wm. Egloff...	Crescent Beach.....	Sadie Brown
	11. Ed. Hedman.....	Crescent Beach.....	Miss Anderson
	14. Charles Herr.....	Crescent Beach.....	Miss Swenney

BOATS ASSISTED

Date 1917	Member giving assistance	Place where	Boats assisted
July	15. Fred Kaufman.....	Camp Pratt.....	Row boat and one person
Aug.	15. Harold Anderson.....	Camp Pratt.....	Two boats
June	17. Crew of Station.....	South Beach.....	Two canoes
July	8. Crew of Station.....	South Beach.....	Boat and eight men
	11. Crew of Station.....	South Beach.....	Launch
	31. Crew of Station.....	South Beach.....	Motor boat and three persons
Aug.	11. Crew of Station.....	South Beach.....	Launch escort and parties
	14. Crew of Station.....	South Beach.....	Government boat
	26. Crew of Station.....	South Beach.....	Boat and eight persons
July	19. William Moon.....	Raritan Bay.....	Row boat and three persons
Aug.	12. Thomas McCann and J. Verkouten.....	Southfield Beach.....	Motor boat and three persons
May	20. Charles Herr, E. Hennessey, Jack Soulea.....	Crescent Beach.....	Canoe and two persons
May	27. Benj. Olnhausen and A. Fahner.....	Crescent Beach.....	Boat and twenty-two persons
Aug.	22. Robert Nelson and John Borkel.....	Crescent Beach.....	Motor boat
Oct.	10. Benj. Olnhausen.....	Crescent Beach.....	Rowboat
	Benj. Olnhausen.....	Crescent Beach.....	Motor boat
	Benj. Olnhausen.....	Crescent Beach.....	Two rowboats
	Benj. Olnhausen.....	Crescent Beach.....	Rowboat
	14. Benj. Olnhausen and Harry McGillivray.....	Crescent Beach.....	Motor boat

BODIES RECOVERED

Date 1917	Members giving assistance	Place where	Body recovered
Aug.	3. V. Frolick, H. Raynolds, G. Garnett.....	South Beach.....	Andrew Karabachi
June	30. G. Garnett, G. O'Brien, A. Newell.....	South Beach.....	Unknown man
July	4. L. Schagrin, J. Morris, S. O'Brien, A. Keller of U. S. S. Columbia.....	South Beach.....	Walter Donner
Aug.	5. Vice-Commodore Kaffer and Surfman Moon.....	Raritan Bay.....	Nicholas Bensen
Sept.	24. Sr. Lieut. Chas. Sickles Eastley.....	Raritan Bay.....	Theodore Frank

REFUSE AND WRECKAGE REMOVED

Date 1917	Member giving assistance	Place where	Refuse and wreckage
July	22. H. Runge.....	Ocean Edge.....	Two barrels of glass and log
	29. H. Runge.....	Ocean Edge.....	Case of glass

Date 1917	Member giving assistance	Place where	Refuse and wreckage
Aug.	5. H. Runge.....	Ocean Edge.....	Barrel of glass and bottles
	H. Runge.....	Ocean Edge.....	Rotten hull of motor boat
	12. H. Runge.....	Ocean Edge.....	Two cases of glass
	19. C. Peker.....	Ocean Edge.....	About 150 pieces of timber

WRECKAGE REMOVED

Date 1917	Member giving assistance	Place where	Wreckage removed
June	3. G. Garnett, L. Schagrin, A. Newell.....	South Beach.....	Several logs and glass
	24. G. Garnett, P. Ferrand, W. Levine, A. Weiss, A. Newell. Sr. Lieut. Reimann.....	South Beach..... South Beach.....	2 submerged logs Log, 30 ft. long.
July	1. G. Garnett, A. Newell, F. Schwank, W. Levine.....	South Beach.....	30 pieces driftwood and 4 logs
	22. Crew.....	South Beach.....	2 logs and glass
	29. G. Garnett, A. Newell, F. Kelly.	South Beach.....	4 logs and $\frac{1}{2}$ barrel of glass
Aug.	1. L. Schagrin, V. Frolick, C. Crane.....	South Beach.....	1 log 20' long; 1 log 15' long
	19. C. Crane, F. Ringel, G. Garnett	South Beach.....	Sunken barrel
	26. G. Garnett, A. Newell, W. Levine.....	South Beach.....	Raft removed
July	8. W. Boyan.....	Southfield Beach.....	Barrel of glass
May	30. Charles Herr.....	Crescent Beach.....	Wreckage from water
June	30. Charles Zceller and Julius Johnson.....	Crescent Beach.....	1 $\frac{1}{2}$ bushels of bottles and glass
July	1. Albert Andelamn.....	Crescent Beach.....	$\frac{1}{2}$ bushels of glass
	8. Harry McGillivray.....	Crescent Beach.....	Glass
	Charles Herr and Albert Andel- mann.....	Crescent Beach.....	Logs from water
	Harry McGillivray.....	Crescent Beach.....	Three logs from water
	15. Harry McGillivray.....	Crescent Beach.....	Log 10' x 12"
	31. Ed. Hedman.....	Crescent Beach.....	One bushel of glass, etc.
Aug.	5. Charles Herr.....	Crescent Beach.....	Log and $\frac{1}{2}$ cabin door from water
	7. Charles Herr.....	Crescent Beach.....	Log from water
	16. Ed. Hedman.....	Crescent Beach.....	Log from water
	17. Charles Herr.....	Crescent Beach.....	Log 18' x 1 $\frac{1}{2}$ ' from water
	26. Harry McGillivray, Ed. Hed- man.....	Crescent Beach.....	Three pieces of wreck- age
Oct.	10. Crew.....	Crescent Beach.....	Wreckage

STATION ATTENDANCE AS SHOWN BY WEEKLY REPORTS ON FILE AT HEADQUARTERS, NEW YORK CITY DEPARTMENT OF THE U. S. VOL. LIFE SAVING CORPS

Manhattan

1 — Broome Street.....	168	
2 — Red Wing Boat Club.....	839	
3 — Allen Point Yacht Club.....	834	
4 — Queensboro Bridge.....	4,770	
5 — Cygnet Boat Club.....	1,338	
6 — Yorkville.....	1,846	
7 — Harlem.....	724	
8 — Riverside.....	373	
9 — Riverdale.....	173	
10 — Headquarters.....	1,731	
		<hr/>
		12,796

Brooklyn

1 — Bay Ridge.....	1,117	
2 — Gravesend Bay.....	936	
3 — Washington.....	379	
4 — Dreamland.....	603	
5 — Parkway.....	611	
6 — Sheepshead Bay Point.....	838	
7 — Thales.....	413	
8 — Plum Beach.....	999	
		<hr/>
		5,986

Bronx

1 — Port Morris.....	2,770	
2 — Barretto Point.....	495	
3 — Orchard Beach.....	800	
4 — Hunter Island.....	1,129	
		<hr/>
		5,194

Queens

1 — Whitestone.....	261	
2 — Hellgate.....	2,758	
3 — Rockaway Point (Cove).....	545	
4 — Rockaway Point (Ocean).....	215	
5 — West Rockaway.....	133	
6 — Sea Side Bay.....	673	
7 — Tent City.....	344	
8 — Holland.....	905	
9 — Edgemere.....	154	
10 — Meadowmere.....	229	
11 — Howard Beach.....	338	
12 — Pleasant Point Old Mill.....	388	
		<hr/>
		6,943

Richmond

1 — South Beach.....	1,419	
2 — Southfield Beach.....	510	
3 — Princess Bay.....	86	
4 — Ocean Edge.....	766	
5 — Raritan Bay Park.....	914	
6 — Crescent Beach.....	2,651	
		<hr/>
		6,346

Total all Boroughs.....	37,265
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NEW YORK CITY APPROPRIATION, 1917 UNITED STATES VOLUNTEER LIFE SAVING CORPS

Personal Service:

1790. Salaries, regular employees:

Superintendent.....	\$1,300 00
Secretary.....	1,300 00
Inspector.....	1,040 00
General mechanic.....	840 00

Schedule total..... **\$4,480 00**

Total personal service..... **\$4,480 00**

Supplies:

1792. Office supplies.....	\$250 00
1793. Medical and surgical supplies.....	390 00
1794. Other supplies.....	183 00

Total supplies..... **\$823 00**

Equipment:

1795. Medical and surgical equipment.....	\$410 00
1796. Wearing apparel.....	150 00
1797. General plant equipment.....	1,570 00

Total equipment..... **\$2,130 00**

1797. Materials..... **400 00**

Contract or open order service:

1798. Repairs and replacements.....	\$200 00
1799. Transportation.....	200 00

Total contract or open order service..... **\$400 00**

1800. Contingencies..... **250 00**

Departmental total..... **\$8,483 00**

Statement of the Condition as at the Close of Business (Close of Year 1917) of all Appropriation Accounts for the Current Year

Code number	TITLE OF ACCOUNT	Appropriation, including transfer (if any) by board of estimate and apportionment	Net funds available	Net vouchers registered based on cancellations and adjustments	Unexpended balances	Unencumbered balances
1790-1917	Salaries, regular employees:	\$1,424,985 00	\$1,424,985 00	\$1,424 94	\$0.045	\$0.045
1790-1917	Superintendent.....	1,300 00	1,300 00	1,300 00	.....	.....
1790-1917	Secretary.....	1,065,015 00	1,065,015 00	1,064 97	.045	0.45
1790-1917	General mechanic.....	375 00	375 00	375 00	.....	.....
1792-1917	Supplies:					
1792-1917	Office supplies.....	250 00	250 00	250 00	.....	.....
1793-1917	Medical and surgical supplies.....	380 00	380 00	380 00	.....	.....
1794-1917	Other supplies.....	183 00	183 00	183 00	.....	.....
1795-1917	Equipment:					
1795-1917	Medical and surgical equipment.....	410 00	410 00	410 00	.....	.....
1796-1917	Wearing apparel.....	158 00	158 00	158 00	.....	.....
1797-1917	General plant equipment.....	1,848 30	1,848 30	1,848 30	.....	.....
1797-A-1917	Materials.....	400 00	400 00	400 00	.....	.....
1798-1917	Contract or open order service — repairs and replacements.....	200 00	200 00	200 00	.....	.....
1799-1917	Contract or open order service — transportation.....	200 00	200 00	199 39	.61	.61
1800-1917	Contingencies.....	250 00	250 00	249 85	.15	.15
	Total.....	8,446 30	8,446 30	8,445 45	.85	.85

PROFICIENCY TEST
of the
New York City Department of the United States Volunteer Life
Saving Corps
Instruction in Life Saving Methods
Instruction in Buoy Throwing
Instruction in Resuscitation

Use of Lungmotor, Use of Pulmotor, Knot Splicing, Knot Tying. Instruction in these subjects will be given at headquarters.



TEST

1 — Under water swim, 35 feet.....	.05
2 — Show three breaks	
<i>a.</i> Front strangle .....	.05
<i>b.</i> Back strangle .....	.05
<i>c.</i> Around both shoulders.....	.05
	<hr/>
Total .....	.15
3 — Demonstrate the method of breaking the front strangle hold when rescue is made by the third party. This must be shown in such a way that neither party can grasp the rescuer.....	.05
4 — Swim	
<i>a.</i> Sixty feet, using back stroke with hands out of water .....	.04
<i>b.</i> Sixty feet, using side stroke, one arm only .....	.04
<i>c.</i> Sixty feet, using breast stroke.....	.02
	<hr/>
Total .....	.10
5 — Swim	
<i>a.</i> Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use side carry) .....	.10
<i>b.</i> Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use back carry) .....	.10
	<hr/>
Total .....	.20
6 — Swim sixty feet, dive from surface to bottom and bring up a weight of ten pounds. Swim ten feet, carrying weight .....	.05

7 — Throw a nineteen-inch life ring with sixty-five feet of line over a mark and between two uprights six feet apart placed forty feet from starting mark. Record and make three throws in stated time (for each perfect throw .05).	
Total .....	.15
8 — Resuscitation, Schaefer method.....	.15
9 — Splicing and knot-tying.....	.10

This test is not compulsory and only members are allowed to take same.

Members must show membership card before being admitted to classes.

All tests for water-work must be taken on the same evening.

Each member passing the proficiency test with 75 per cent will receive a proficiency medal.

The record of each man winning a medal will be kept at headquarters.

JOINING THE UNITED STATES VOLUNTEER LIFE-SAVING CORPS.

Department of the City of New York.

The Corps offers facilities for actual Life-Saving and First Aid Work, Swimming, Boat Practice, Medical Instructions, Signalling, and Healthy Life in the Open.

The United States Volunteer Life-Saving Corps is formed to save life from drowning by the following means:

1. Establishing volunteer crews at water front danger points where there is no government life-saving station.
2. Giving instructions in swimming, boat handling, rescuing and resuscitating the apparently drowned, first aid to the injured, signalling, etc.
3. Providing life-saving apparatus and means to save life with the least risk on the part of the rescuer.
4. Erecting suitable life-saving and emergency stations.
5. Presenting medals and awards for heroic rescues or attempts at rescue.
6. Preserving records of heroic acts and faithful service in the Corps.
7. Giving exhibitions of work in rescue, resuscitation, and all sorts of "first aid" and relief work for public instruction.
8. Promoting improvements and inventions of life-saving appliances and equipment.

The Water Test Before Enlistment.

A. Applicants for membership must swim at least 100 yards without the help of tide or current.

B. In order to facilitate recovering a drowned person quickly the applicant must go down from the surface in seven to ten feet of water and bring up a given object. Officers must bring up a weight.

C. The candidate is required to carry a person near his own weight, by three of the six carries taught by the Corps (in deep water), while swimming twenty yards.

D. The candidate must demonstrate in deep water the method of breaking three of the six death grip holds taught by the Corps.

E. He must inquire into and perfect himself in the Schaefer method of resuscitation of the apparently drowned.

Commissioned officers must hold themselves ready for a quiz on resuscitation at any time, and to protect their commission hold a "first aid" certificate of fitness to render assistance to the injured.

To Join the Corps.

The requirements are for males, 18 years or over, in sound health, who shall apply, pass the water-work test, enlist and be accepted by a recognized station. The enlistment, with the endorsement of the examining board and the station commander, is forwarded to headquarters, when a numbered acknowledgment card and a membership button (celluloid) is issued without charge. The member can then purchase and wear while a member the badge and bathing emblem of his rank on requisition to headquarters of his commander.

Members of all Corps, house or tent stations are required to provide themselves with the white sailor suit and the Corps emblem on the bathing suit to render full efficiency. No dues are required for membership in the United States Life-Volunteer Saving Corps.

The Corps has a uniform bathing suit of black, with a red band over the right shoulder and under the left arm, which serves to identify members in a crowd. They can be obtained in cotton or wool, and in one or two pieces.

The Duties of a Member of the Corps.

A. Each surfman while on duty, be it shore or boat, drills or parade, meeting or class, must obey the orders of his commanding officers.

B. Must abide by all the rules and regulations of the Corps.

C. Report for duty promptly at the times and places assigned him for compulsory duty and compulsory drill.

D. Must live up to his obligation as a life-saver to the best of his ability.

E. Must serve the full period of his enlistment (two years), unless resigning for good reason (in writing to proper officers).

F. Keep his commanding officer informed of his address, for station and headquarters.

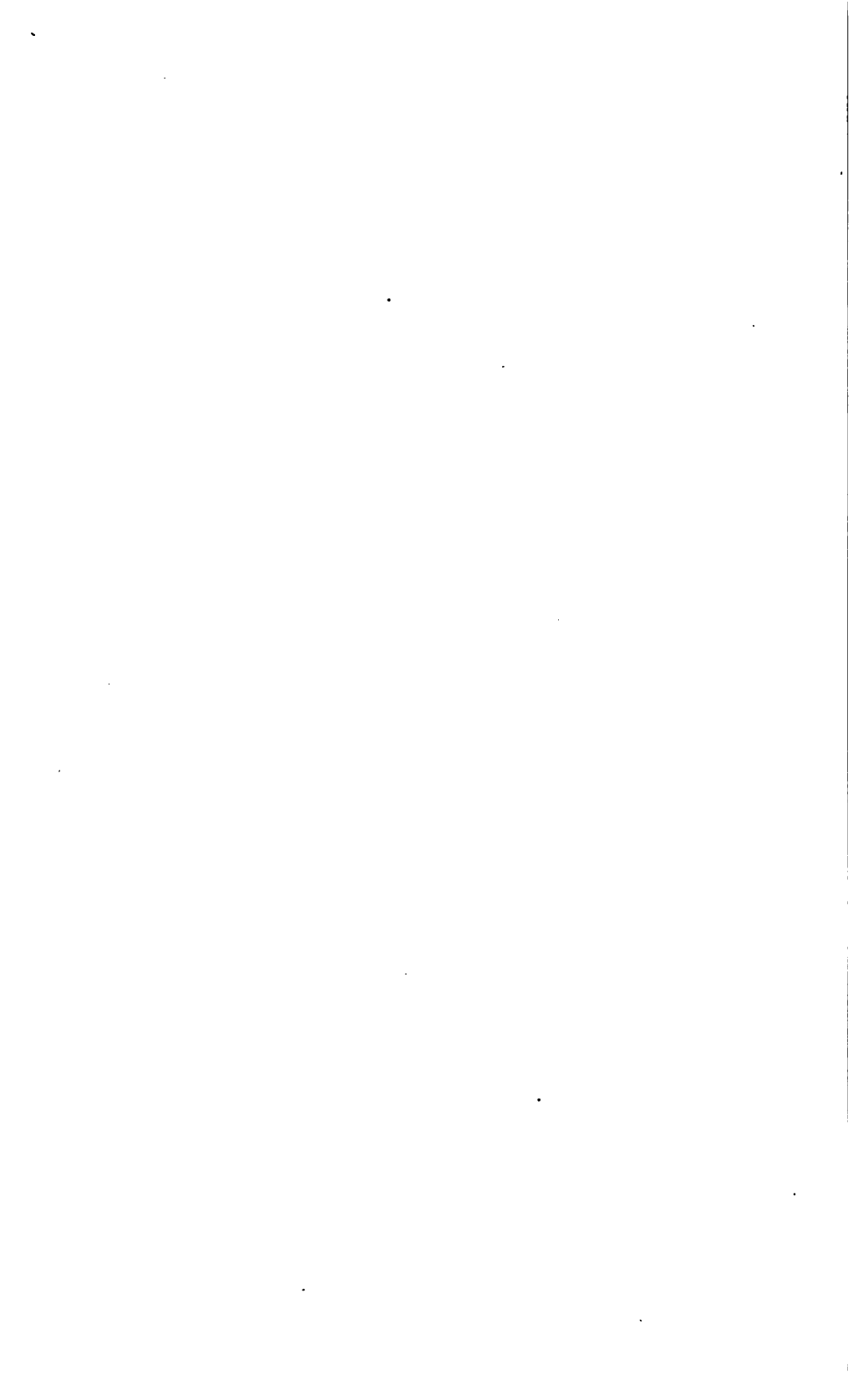
G. May exchange stations by means of written request, if acceptable to both commanders.

H. On all occasions he must yield a ready and cheerful obedience to those placed over him; be attentive to his duties, avoid difficulties with other members, and by his conduct and zeal endeavor to promote the efficiency of the entire Corps and further its humanitarian work.

N. B.—Compulsory duty assignments come only in free time, Sundays and holidays, or in event of stupendous disaster.

ANNUAL REPORT
OF THE
UNITED STATES VOLUNTEER
LIFE SAVING CORPS
OF THE
STATE OF NEW YORK

For the Year Ending December 31, 1918



**ANNUAL REPORT OF THE UNITED STATES VOLUNTEER
LIFE SAVING CORPS FOR THE YEAR END-
ING DECEMBER 31, 1918.**

**HEADQUARTERS, ROOM 351, MUNICIPAL BUILDING,
NEW YORK CITY.**

To the Legislature of the State of New York:

GENTLEMEN.—The officers and directors of the United States Volunteer Life Saving Corps for the Department of the State of New York hereby transmit their report of the work of the organization for the year ending December 31, 1918, which they submit for your consideration.

CARLL S. BURR,
President.

BOARD OF GOVERNORS

HON. CARLL S. BURR.....Suffolk Co., N. Y.
HON. W. W. COCKS.....Suffolk Co., N. Y.
IVENS SHERRNew York City
HON. MARCUS M. MARKS.....New York City
HON. WILLIAM WIRT MILLS.....New York City

OFFICERS

CARLL S. BURR.....President
IVENS SHERRSecretary
CHAS. E. RAYNOR.....Superintendent
IDA OSBORNEAssistant Secretary

RESOLUTIONS ON THE DEATH OF CHARLES H. SCOTT

Whereas, That the Board of Governors of the United States Volunteer Life Saving Corps in annual meeting assembled is informed of the death of Charles H. Scott, for many years Secretary of the Board of Governors; and

Whereas, During his years of service as Secretary of the Board of Governors, his interest and devotion to the work endeared him to all who knew him; and

Whereas, The Board at this time expresses its appreciation of the long and faithful service of the deceased and its profound sorrow at the loss of so valuable a member; therefore, be it

Resolved, That the Board of Governors of the United States Volunteer Life Saving Corps extends to the family of the deceased its kindly sympathy.

CARLL S. BURR,

President.

W. W. COCKS.

MARCUS M. MARKS.

WILLIAM WIRT MILLS.

IVENS SHERR.

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REPORT

SOME THINGS THE U. S. LIFE-SAVING CORPS HAS DONE

Lives Saved in Various Ways Up To 1905 Is 6,776.

	Rescued	First Aid	Assisted	Boats	Bodies	Animals	Wreckage
1905	324	....	....	....	....	....	....
1906	460	98	111	....	....	....	....
1907	242	128	316	80	....	....	....
1908	325	340	305	123	....	....	....
1909	268	847	716	223	....	11	....
1910	283	565	238	135	20	12	....
1911	190	850	483	106	19	20	....
1912	212	1,978	392	126	12	13	....
1913	325	4,267	531	213	17	4	....
1914	431	8,441	964	320	30	6	109
1915	424	6,027	770	379	13	1	1,122
1916	425	5,016	777	385	14	2	1,996
1917	421	6,604	919	315	36	9	399
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Total ...	4,330	35,168	6,522	2,405	161	78	3,626

IN THE YEAR 1918 THE WORK OF THE CORPS CONSISTED OF

Actual rescues from drowning.....	240
"First Aid"	4,373
Boats assisted	159
Persons assisted from disabled boats.....	513
Bodies recovered	11
Animals saved	6
Pieces of wreckage, sufficiently large to damage a boat taken out of harbor.....	240
Fires extinguished	4

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1918 153

CLASSIFICATION OF AWARDS

Silver medals are awarded only in cases where there has been actual risk of life in making the rescue.

Bronze medals are awarded for worthy rescues entailing risk, but not necessarily endangering the life of the rescuer.

Certificates of honor are awarded where the true spirit of heroism is shown by the rendering of assistance, but where no risk of life is entailed.

The Presentation of the Medals and Certificates was made by the Honorable Alfred E. Smith on May 15, 1918, at City Hall, New York City.

POLICE DEPARTMENT

Silver Medals

Name	Place	Date
Israel Newman.....	Edgemere, L. I.....	Aug. 14, 1915
George J. Lachner.....	Prospect Park Lake.....	Jan. 9, 1916
Cornelius Platt.....	Prospect Park Lake.....	Feb. 9, 1916
John Enright.....	Harlem River.....	Mar. 22, 1916
Arthur Henne.....	East River.....	May 1, 1916
Andrew Frohlin.....	East River.....	May 15, 1916
John J. Leary.....	Coney Island.....	July 11, 1916
August Gillman.....	East River.....	Aug. 18, 1916
Nathaniel E. Heutte.....	Coney Island.....	Aug. 28, 1916
Frank A. Dunn.....	Hudson River.....	Aug. 31, 1916
Joseph T. Weckesser.....	Pier "A", North River.....	April 23, 1917
Gustave Schley.....	West Brighton, S. I.....	July 14, 1917
Adam Ruth.....	Bronx River.....	July 17, 1917
Daniel Mandel.....	East River.....	July 18, 1917
Charles A. McNally.....	East River.....	Nov. 4 1917

Bronze Medals

John J. Higginson.....	Ship Canal.....	Mar. 22, 1917
Jerome J. Weill.....	Harlem River.....	Aug. 14, 1917
William H. Bischoff, Jr.....	Newtown Creek.....	Aug. 16, 1917
Frank A. J. Graff.....	Newtown Creek.....	Aug. 16, 1917

FIRE DEPARTMENT

Silver Medals

Charles J. Devlin.....	Rockaway Beach.....	Aug. 19, 1916
James J. Gully.....	New York Bay.....	Aug. 19, 1917

DEPARTMENT OF DOCKS AND FERRIES

Silver Bar

John Pellinger.....	Sheepshead Bay.....	Nov. 28, 1916
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Silver Medal

Joseph Madden.....	Pier "A", North River.....	Sept. 21, 1917
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Bronze Medal

Abram E. Corsan.....	New York Bay.....	Dec. 7, 1916
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MEMBERS

Name	Medal	Place	Date
Arthur Gonne.....	Silver medal.....	Long Island sound.....	July 23, 1916
Arthur Gonne.....	Silver bar.....	Long Island sound.....	July 19, 1916
Arthur Gonne.....	Silver bar.....	Long Island sound.....	Aug. 5, 1916
Arthur Gonne.....	Silver bar.....	Long Island sound.....	July 4, 1916

Name	Medal	Place	Date
Arthur Gonne.....	Silver bar.....	Long Island sound.....	Aug. 5, 1917
Arthur Gonne.....	Bronze medal.....	Long Island sound.....	July 14, 1916
Arthur Gonne.....	Bronze bar.....	Long Island sound.....	July 14, 1916
Edward F. Otto.....	Silver bar.....	Long Island sound.....	Aug. 27, 1916
Edward Otto.....	Silver bar.....	Long Island sound.....	Sept. 14, 1917
Edward F. Otto.....	Silver bar.....	Long Island sound.....	Aug. 2, 1917
Edward F. Otto.....	Silver bar.....	Long Island sound.....	Aug. 2, 1917
Ralph E. Logan.....	Silver medal.....	Rockaway.....	Aug. 20, 1916
Ralph E. Logan.....	Silver bar.....	Rockaway.....	Aug. 20, 1916
Ralph E. Logan.....	Silver bar.....	Rockaway.....	Aug. 20, 1917
Max C. Fischman.....	Silver bar.....	Rockaway.....	July 18, 1917
Max C. Fischman.....	Silver bar.....	Rockaway.....	Aug. 11, 1917
Max C. Fischman.....	Silver bar.....	Rockaway.....	Aug. 11, 1917
Hugo Wittenberg.....	Silver medal.....	Coney Island.....	Aug. 7, 1917
Hugo Wittenberg.....	Silver bar.....	Coney Island.....	Aug. 10, 1917
Philip Knell.....	Silver medal.....	Orchard beach.....	Aug. 1, 1915
Philip Knell.....	Silver bar.....	Orchard beach.....	July 29, 1917
William F. Fischman.....	Silver bar.....	Rockaway.....	Aug. 8, 1917
William F. Fischman.....	Silver bar.....	Rockaway.....	Aug. 9, 1917
Charles Beller.....	Silver bar.....	East river.....	Aug. 8, 1916
Charles Beller.....	Silver bar.....	East river.....	July 30, 1917
Nat M. Jacobs.....	Silver medal.....	Rockaway.....	Aug. 19, 1917
Nat M. Jacobs.....	Silver bar.....	Rockaway.....	Aug. 21, 1917
Joseph P. Nadel.....	Silver medal.....	Coney Island.....	Aug. 19, 1917
Joseph P. Nadel.....	Silver bar.....	Coney Island.....	Aug. 11, 1917
Nathaniel Ballard.....	Silver bar.....	Rockaway.....	July 27, 1917
Nathaniel Ballard.....	Bronze medal.....	Rockaway.....	Aug. 15, 1917
Henry A. Brown.....	Silver medal.....	Gravesend bay.....	May 28, 1916
Henry A. Brown.....	Bronze bar.....	Gravesend bay.....	April 12, 1916
Benjamin S. Allison.....	Bronze medal.....	Orchard beach.....	July 29, 1917
Benjamin S. Allison.....	Bronze bar.....	Orchard beach.....	July 29, 1917
Benjamin S. Allison.....	Bronze bar.....	Orchard beach.....	July 29, 1916
Thomas McAneny.....	Bronze medal.....	East river.....	Aug. 5, 1917
Thomas McAneny.....	Bronze bar.....	East river.....	Aug. 5, 1917
Herman Rohrbach.....	Bronze medal.....	Plum beach.....	Aug. 6, 1917
Herman Rohrbach.....	Bronze bar.....	Plum beach.....	Aug. 19, 1916
Herbert A. Wharmby.....	Bronze medal.....	Sheepshead bay.....	July 4, 1917
Herbert A. Wharmby.....	Bronze bar.....	Sheepshead bay.....	Aug. 5, 1916
William O'Brien.....	Bronze medal.....	East river.....	Aug. 5, 1916
William O'Brien.....	Bronze bar.....	East river.....	Aug. 5, 1917
Andrew Citarella.....	Bronze medal.....	Gravesend bay.....	Sept. 9, 1917
Andrew Citarella.....	Bronze bar.....	Gravesend bay.....	Sept. 24, 1916

Silver medals

John R. Chambers.....	Central Y. M. C. A. pool.....	Jan. 8, 1916
Joseph Carey.....	New York bay.....	Aug. 12, 1916
Charles Termini.....	Gravesend bay.....	May 28, 1916
Michael Schulman.....	South Beach, S. I.....	July 11, 1916
Clarence T. B. Pearson.....	Sheepshead bay.....	July 4, 1916
William F. Wood.....	East river.....	July 12, 1916
Paul Stellmach, Jr.....	Rockaway.....	July 19, 1916
Charles Curley.....	South beach, S. I.....	July 20, 1916
John P. Connolly.....	Rockaway.....	July 23, 1916
William E. Culligan.....	Narrows.....	July 30, 1916
John J. McDermott.....	Green Lake, N. Y.....	Aug. 2, 1916
Edward M. Bennett.....	Long Island sound.....	Aug. 6, 1916
Daniel Whalen.....	East river.....	Aug. 9, 1916
Henry Hammarth.....	Old Mill.....	Aug. 9, 1916
William Hartle.....	Old Mill.....	Aug. 13, 1916
John H. Boyle.....	Arverne.....	Aug. 17, 1916
Richard Norman Cross.....	North Beach.....	Aug. 22, 1916

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Name	Place	Date
George E. Schupp.....	Sands Bay creek.....	Aug. 27, 1916
J. C. Le Doux.....	Sheepshead bay.....	Aug. 27, 1916
Michael Scansano.....	Gravesend Bay.....	Sept. 10, 1916
Charles Jacoby.....	East river.....	Nov. 14, 1916
Louis R. Helwig.....	Central Y. M. C. pool.....	Mar. 29, 1917
Peter C. O'Connor.....	New York bay.....	July 7, 1917
Horace Lurcott.....	New York bay.....	July 7, 1917
Peter Nelson.....	East river.....	July 16, 1917
Jacob Bloomfield.....	East river.....	July 17, 1917
William V. Levine.....	Coney Island.....	July 29, 1917
Harold J. Anderson.....	Raritan Bay, S. I.....	July 30, 1917
George Bernard.....	Coney Island.....	Aug. 5, 1917
Bernard Mass.....	Midland Beach.....	Aug. 5, 1917
Milton M. Rossa.....	Rockaway.....	Aug. 11, 1917
Philip W. Heckelmann.....	Coney Island.....	Aug. 12, 1917
Joseph Euler.....	East river.....	Aug. 15, 1917
Louis Blum.....	Rockaway.....	Aug. 25, 1917
William H. Folmabee.....	Long Island sound.....	Oct. 23, 1917

Silver Bars

Harold C. Zulauf.....	Rockaway.....	July 23, 1916
Ralph Buonocore.....	Coney Island.....	July 23, 1916
Harry G. Solomon.....	Rockaway.....	Sept. 5, 1916

Bronze Medal

Harry Roof.....	Long Island sound.....	Aug. 27, 1915
Gus Monino.....	Gravesend Bay.....	April 12, 1916
Thomas F. Casey.....	East river.....	April 25, 1916
Charles J. Mauchhausen.....	23d Street Y. M. C. A. pool..	July 15, 1916
George P. Hall.....	Sheepshead Bay Point.....	July 23, 1916
Lief Tobiasen.....	Plum Beach.....	Aug. 6, 1916
John McCann.....	East river.....	Sept. 2, 1916
Charles Eteoll.....	East river.....	July 14, 1917
Irving Subern.....	Brighton Beach.....	July 15, 1917
Vincent Maguire.....	East river.....	July 30, 1917
Fred C. W. Kaufmann.....	Raritan Bay, S. I.....	Aug. 13, 1917
Robert Overton.....	Raritan Bay, S. I.....	Aug. 13, 1917
William Shupbach.....	East river.....	Sept. 2, 1917
William Von Seggern.....	East river.....	Sept. 2, 1917

Bronze Bar

Walter H. Oliver.....	Coney Island.....	Sept. 10, 1916
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NON-MEMBERS

William N. Loew.....	Silver medal.....	Coney Island.....	Aug. 21, 1916
William N. Loew.....	Silver bar.....	Coney Island.....	Aug. 21, 1916
William N. Loew.....	Silver bar.....	Coney Island.....	Aug. 21, 1916
Earl W. Mets.....	Silver medal.....	Rosebank, S. I.....	July 4, 1916
Earl W. Mets.....	Silver bar.....	Rosebank, S. I.....	July 4, 1916
Harry R. Davis.....	Silver medal.....	Alta Lake, N. Y.....	Aug. 20, 1916
Harry R. Davis.....	Silver bar.....	Alta Lake, N. Y.....	Aug. 20, 1916
Eugene Driscoll, Jr.....	Silver medal.....	Milford, Conn.....	Aug. 14, 1917
Eugene Driscoll, Jr.....	Silver bar.....	Milford, Conn.....	Aug. 14, 1917
Lillian E. Welsh.....	Silver medal.....	Milford, Conn.....	Aug. 14, 1917
Lillian E. Welsh.....	Silver bar.....	Milford, Conn.....	Aug. 14, 1917
Charles Schaup.....	Bronze medal.....	East river.....	June 13, 1916
Charles Schaup.....	Bronze bar.....	East river.....	June 13, 1916
Charles Schaup.....	Bronze bar.....	East river.....	June 13, 1916
Emil Stalder.....	Bronze medal.....	North Beach.....	Sept. 12, 1916
Emil Stalder.....	Bronze bar.....	North Beach.....	Sept. 12, 1916
Frank J. Coman.....	Bronze medal.....	East river.....	May 17, 1916
Frank J. Coman.....	Bronze bar.....	Hudson river.....	Sept. 1, 1917

<i>Silver Medals</i>			
Name	Place	Date	
Gustav Tollander.....	Coney Island.....	Sept. 29, 1915	
Walter H. Thompson.....	Greenwood Lake, N. Y.....	Jan. 1, 1916	
Walter F. Cunningham.....	Rockaway.....	July 4, 1916	
Timothy J. Buckley.....	East river.....	July 6, 1916	
Edward J. A. Quinn.....	Rockaway.....	July 23, 1916	
Rudolph B. Levy.....	Rockaway.....	July 23, 1916	
Francis J. Mahoney.....	East river.....	Aug. 1, 1916	
Wm. J. J. Murphy.....	Long Island sound.....	Aug. 17, 1916	
Bernard J. Harrison.....	Fire Island, L. I.....	Aug. 18, 1916	
Bernard Rubin.....	Belmar, N. J.....	Aug. 19, 1916	
John Ray.....	Har'ém river.....	Aug. 20, 1916	
Frederick J. Warner.....	Rockaway.....	Aug. 23, 1916	
Charles Warner.....	Rockaway.....	Aug. 22, 1916	
Edward P. Keena.....	East river.....	Aug. 27, 1916	
Robert E. Nethercott.....	East river.....	Sept. 1, 1916	
Jacobus Jonas.....	East river.....	Sept. 4, 1916	
Samuel Levy.....	Rockaway.....	Sept. 4, 1916	
George F. McVay.....	Rockaway.....	Sept. 9, 1916	
Charles Petersen.....	East river.....	Sept. 17, 1916	
John P. Baylan.....	North river.....	Dec. 4, 1916	
Edward J. O'Brien.....	New York Bay.....	June 11, 1917	
Albert Bothner.....	East river.....	June 24, 1917	
Thomas O. Niel.....	Harlem river.....	July 22, 1917	
Peter Merli.....	New York Bay.....	July 26, 1917	
Anthony Kish.....	East river.....	July 27, 1917	
Hyman Mines.....	Coney Island.....	Aug. 11, 1917	
Alexander X. Quinn.....	Rockaway.....	Aug. 11, 1917	
Charles Bruhn.....	East river.....	Aug. 12, 1917	
Raymond T. Glover.....	Mountainview, N. J.....	Aug. 24, 1917	
Michael Brown.....	North river.....	Sept. 1, 1917	
Michael Leddy.....	New York Bay.....	Sept. 2, 1917	
Joseph F. Bartes.....	Long Island sound.....	Sept. 3, 1917	
Thomas Hackett.....	Jamaica Bay.....	Oct. 22, 1917	
Patrick A. Connors.....	East river.....	Nov. 3, 1917	

Silver Bars

Stephen J. Murray.....	East river.....	April 19, 1916
William F. Barnett.....	Hudson river.....	Oct. 11, 1916
George Lazarus.....	Rutgers Place Bath.....	May 23, 1917
Luke J. Tryon.....	Erie Basin.....	Aug. 16, 1917
Leonard F. B. Levy.....	Long Island sound.....	Aug. 23, 1917
Joseph M. Monks.....	East river.....	Oct. 26, 1917

Bronze Medals

Rose M. Krause.....	Van Cortlandt Park.....	Jan. 3, 1916
Charles Lehmkuhl.....	New York Bay.....	Mar. 30, 1916
Barron K. Throckmorton.....	Mohegan Lake, N. Y.....	July 2, 1916
Harold D. Springmeyer.....	Orchard Beach.....	July 23, 1916
John S. Anderson.....	Harlem river.....	Jan. 13, 1917
John J. Leddy.....	Harlem river.....	Mar. 8, 1917
Alvin L. Powell.....	Brank Brook Park, N. J.....	Mar. 18, 1917
Peter Sorensen.....	Hudson river.....	May 13, 1917
Hans Mathiesen.....	Hudson river.....	May 13, 1917
Julian I. Marks.....	Rutgers place pool.....	June 4, 1917
Elias Sherer.....	Coney Island creek.....	June 7, 1917
Wm. F. Eichols.....	East river.....	July 14, 1917
Max Freund.....	Coney Island.....	Aug. 11, 1917

LOG REPORTS

NEW YORK CITY

HEADQUARTERS DIVISION

FIRST AID

MUNICIPAL BUILDING HEADQUARTERS

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Jan.	2. Supr. Chas. E. Raynor.....	Municipal Building.....	I. Hauchrow
	4. Supr. Chas. E. Raynor.....	Municipal Building.....	Com. Wittenberg
	7. Supr. Chas. E. Raynor.....	Municipal Building.....	J. Hanover
	8. Supr. Chas. E. Raynor.....	Municipal Building.....	J. Pinsonwer
	14. Supr. Chas. E. Raynor.....	Municipal Building.....	P. J. Ryan
	15. Francis Steinhagen.....	Municipal Building.....	Miss Kasowits
	16. Francis Steinhagen.....	Municipal Building.....	Miss Heatherton
	Ida Osborne.....	Municipal Building.....	Miss Heatherton
	17. Supr. Chas. E. Raynor.....	Municipal Building.....	Miss Schmitberger
	18. Ida Osborne.....	Municipal Building.....	Miss Sewell
	Supr. Chas. E. Raynor.....	Municipal Building.....	Mr. Sullivan
	21. Supr. Chas. E. Raynor.....	Municipal Building.....	Miss Smith
	Ida Osborne.....	Municipal Building.....	Mr. Barneet
	22. Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	John Smith
	23. Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	Miss Sewell
	25. Supr. Chas. E. Raynor.....		
	29. Ida Osborne.....	Municipal Building.....	Lillian Dargin
	Joseph Mers.....	Municipal Building.....	Mr. Goila
	31. Ida Osborne.....	Municipal Building.....	Young Lady
	Ida Osborne.....	Municipal Building.....	Lillian Blackenberg
	1. Supr. Chas. E. Raynor.....	Municipal Building.....	Miss Gillonne
	Ida Osborne.....	Municipal Building.....	Mr. Ryan
	2. Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	Hugo Wittenberg
	4. Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	Miss Butter
	Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	Cano Duandia
	6. Supr. Chas. E. Raynor.....		
	Ida Osborne.....	Municipal Building.....	Porter
	9. Francis Steinhagen.....		
	14. Joseph Mers.....	Municipal Building.....	S. Weinstein
	20. Ida Osborne.....	Municipal Building.....	Miss Webber
	23. Ida Osborne.....	Municipal Building.....	Miss Carr
	Supr. Chas. E. Raynor.....	Municipal Building.....	Mr. McDermott
	25. Supr. Chas. E. Raynor.....		
	Supr. Chas. E. Raynor.....	Municipal Building.....	Wm. Leonhardt
	26. Supr. Chas. E. Raynor.....	Municipal Building.....	Julia Farrell
	Supr. Chas. E. Raynor.....	Municipal Building.....	Mrs. M. Wood
	Ida Osborne.....	Municipal Building.....	Michael Pearl
	Francis Steinhagen.....		
	Ida Osborne.....	Municipal Building.....	Mrs. Falder

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Feb. 28.	Supr. Chas. E. Raynor	Municipal Building	L. Reynolds
	Supr. Chas. E. Raynor	Municipal Building	Joseph Collyer
Mar. 9.	Ida Osborne	Municipal Building	Miss Hauman
12.	Supr. Chas. E. Raynor	Municipal Building	Miss Kailly
15.	Ida Osborne	Municipal Building	Miss Schmitberger
21.	Ida Osborne	Municipal Building	Miss McCabe
26.	Supr. Chas. E. Raynor	Municipal Building	John Donovan
	Supr. Chas. E. Raynor	Municipal Building	Miss Cassidy
28.	Supr. Chas. E. Raynor	Municipal Building	Chas. Chaptone
Apr. 1.	Supr. Chas. E. Raynor	Municipal Building	James Necroto
4.	Francis Steinhagen	Municipal Building	Cono Brioli
5.	Supr. Chas. E. Raynor	Municipal Building	Chas. Brandt
8.	Supr. Chas. E. Raynor	Municipal Building	S. Stavinsky
10.	Supr. Chas. E. Raynor	Municipal Building	Gussie Rotner
	Supr. Chas. E. Raynor	Municipal Building	Thos. Vernele
15.	Francis Steinhagen	Municipal Building	Lillian Collins
18.	Supr. Chas. E. Raynor	Municipal Building	Sam. Bernstein
20.	Supr. Chas. E. Raynor	Municipal Building	Marie Licino
22.	Supr. Chas. E. Raynor	Municipal Building	Gussie Rotner
	Supr. Chas. E. Raynor	Municipal Building	N. Bham
25.	Supr. Chas. E. Raynor	Municipal Building	John Deprosopo
	Supr. Chas. E. Raynor	Municipal Building	Eugene Prager
	Ida Osborne	Municipal Building	Miss Keiser
29.	Supr. Chas. E. Raynor	Municipal Building	A. Birnbaum
	Ida Osborne	Municipal Building	Miss Rotner
30.	Supr. Chas. E. Raynor	Municipal Building	Dept. City Clerk
	Supr. Chas. E. Raynor	Municipal Building	B. & O. Worker
May 2.	Supr. Chas. E. Raynor	Municipal Building	Mr. Birnbauer
3.	Supr. Chas. E. Raynor	Municipal Building	Mr. Wasserman
4.	Supr. Chas. E. Raynor	Municipal Building	Anton Bonofath
	Supr. Chas. E. Raynor	Municipal Building	J. J. Redley
6.	Supr. Chas. E. Raynor	Municipal Building	Miss Rotner
9.	Supr. Chas. E. Raynor	Municipal Building	A. Vigholze
10.	Ida Osborne	Municipal Building	Miss Ibet
13.	Supr. Chas. E. Raynor	Municipal Building	Andrew Spender
	Ida Osborne	Municipal Building	Mr. Stellner
	Supr. Chas. E. Raynor	Municipal Building	Mrs. Brower
18.	Supr. Chas. E. Raynor	Municipal Building	Angelina Abbate
21.	Supr. Chas. E. Raynor	Municipal Building	James Perpignano
22.	Ida Osborne	Municipal Building	Mary Acono
31.	Maude Osborne	Municipal Building	Mrs. Becker
	Supr. Chas. E. Raynor	Municipal Building	Anna Wolter
June 5.	Ida Osborne	Municipal Building	Miss Kaiser
7.	Supr. Chas. E. Raynor	Municipal Building	Thos. Brody
8.	Supr. Chas. E. Raynor	Municipal Building	Porter
12.	Supr. Chas. E. Raynor	Municipal Building	Mary Schwalbach
	Supr. Chas. E. Raynor	Municipal Building	Lucille Lakestream
14.	Ida Osborne	Municipal Building	Frank Laurie
20.	Ida Osborne	Municipal Building	Miss Murphy
27.	Supr. Chas. E. Raynor	Municipal Building	M. Mayer
July 3.	Supr. Chas. E. Raynor	Municipal Building	J. Bietha
	Supr. Chas. E. Raynor	Municipal Building	Miss Webber
11.	Supr. Chas. E. Raynor	Municipal Building	Rosco Profete
13.	Ida Osborne	Municipal Building	Elevator man
	Ida Osborne	Municipal Building	Miss McMahon
15.	Supr. Chas. E. Raynor	Municipal Building	Mr. Martin
17.	Ida Osborne	Municipal Building	Miss Sewell
	Supr. Chas. E. Raynor	Municipal Building	Geo. Jacobs
18.	Ida Osborne	Municipal Building	Miss Hart
19.	Supr. Chas. E. Raynor	Municipal Building	Estelle Crocus
	Ida Osborne		

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1918 159

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	19. Supr. Chas. E. Raynor.....	Municipal Building.....	Mr. McCaw
	Ida Osborne.....		
	23. Supr. Chas. E. Raynor.....	Municipal Building.....	Miss Roach
	Ida Osborne.....		
Aug.	24. Ida Osborne.....	Municipal Building.....	Miss O'Brien
	1. Ida Osborne.....	Municipal Building.....	Miss Kasnowits
	3. Ida Osborne.....	Municipal Building.....	John Garnder
	Ida Osborne.....	Municipal Building.....	James Perpignano
	5. Ida Osborne.....	Municipal Building.....	Watchman
	9. Supr. Chas. E. Raynor.....	Municipal Building.....	Miss Woolworth
	Ida Osborne.....	Municipal Building.....	Mrs. Williams
	13. Ida Osborne.....	Municipal Building.....	F. Brown
	Commissioner Wittenberg.....		
	15. Ida Osborne.....	Municipal Building.....	Mr. Quinn
	18. Supr. Chas. E. Raynor.....	Municipal Building.....	Chas. Baumgarten
	21. Supr. Chas. E. Raynor.....	Municipal Building.....	John Murphy
Sept.	23. Supr. Chas. E. Raynor.....	Municipal Building.....	Sylvia Hofner
	27. Eleanor Dale.....	Municipal Building.....	Miss Sheahan
	30. Supr. Chas. E. Raynor.....	Municipal Building.....	Martin Constatin
	2. Supr. Chas. E. Raynor.....	Municipal Building.....	Porter
	4. Supr. Chas. E. Raynor.....	Municipal Building.....	Agnes Snyder
	Supr. Chas. E. Raynor.....	Municipal Building.....	S. Wolf
	14. Supr. Chas. E. Raynor.....	Municipal Building.....	Luke Jolis
	26. Ida Osborne.....	Municipal Building.....	Miss Finn
	27. Supr. Chas. E. Raynor.....	Municipal Building.....	Mrs. Le Bonbeau
	28. Supr. Chas. E. Raynor.....	Municipal Building.....	Geo. Hummel
Oct.	1. Supr. Chas. E. Raynor.....	Municipal Building.....	Geo. Hummel
	2. Supr. Chas. E. Raynor.....	Municipal Building.....	Chas. Ralser
	4. Supr. Chas. E. Raynor.....	Municipal Building.....	Edward Roth
	8. Supr. Chas. E. Raynor.....	Municipal Building.....	John McCormack
	14. Supr. Chas. E. Raynor.....	Municipal Building.....	S. Nerson
	Supr. Chas. E. Raynor.....	Municipal Building.....	J. Rice
	Supr. Chas. E. Raynor.....	Municipal Building.....	Matron on 3d floor
	16. Supr. Chas. E. Raynor.....	Municipal Building.....	Nathan Bokser
	22. Supr. Chas. E. Raynor.....	Municipal Building.....	Chas. Archubator
	24. Eleanor Dale.....	Municipal Building.....	Geo. Mulhn
	28. Supr. Chas. E. Raynor.....	Municipal Building.....	J. Provens
	Supr. Chas. E. Raynor.....	Municipal Building.....	Rose McFadden
	4. Supr. Chas. E. Raynor.....	Municipal Building.....	B. Murphy
	6. Supr. Chas. E. Raynor.....	Municipal Building.....	B. Auerbach
Nov.	7. Eleanor Dale.....	Municipal Building.....	Anna Kasnowits
	11. Supr. Chas. E. Raynor.....	Municipal Building.....	Frank More
	15. Supr. Chas. E. Raynor.....	Municipal Building.....	Mr. Kresarchman
	Supr. Chas. E. Raynor.....	Municipal Building.....	Julia Flynn
	Ida Osborne.....		
	18. Ida Osborne.....	Municipal Building.....	Miss Muts
	26. Eleanor Dale.....	Municipal Building.....	Wolf Cohen
	Eleanor Dale.....	Municipal Building.....	Mr. McDermott
	Eleanor Dale.....	Municipal Building.....	Miss Meehan
	27. Supr. Chas. E. Raynor.....	Municipal Building.....	Mrs. Hipp
	2. Eleanor Dale.....	Municipal Building.....	Miss Raac ne
	7. Ida Osborne.....	Municipal Building.....	Mr. Power
	10. Supr. Chas. E. Raynor.....	Municipal Building.....	Geo. Nebgen
	Ida Osborne.....	Municipal Building.....	John Delesro
	Supr. Chas. E. Raynor.....		
Dec.	13. Ida Osborne.....	Municipal Building.....	Thos. Durkin
	Supr. Chas. E. Raynor.....		
	17. Supr. Chas. E. Raynor.....	Municipal Building.....	John Murphy
	19. Supr. Chas. E. Raynor.....	Municipal Building.....	James Flanagan
	31. Supr. Chas. E. Raynor.....	Municipal Building.....	May Ryan

HEADQUARTERS

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Jan.	1. Wm. Linderman	Headquarters	Unknown
	5. J. F. Werner	Headquarters	J. Ockerman
	6. V. Collora	Haymakers	W. Gibson
	7. V. Collora	Haymakers	Frank Burke
	8. V. Collora	Haymakers	Tony Genoa
	10. V. Collora	Haymakers	Henry Bair
	11. V. Collora	Haymakers	Fred Styse
	V. Collora	Haymakers	Ralph Benson
	Louis Rauschkolb	129 Lafayette Street	David Densie
	14. V. Collora	Haymakers	Chas. Cole
	C. Phcifer	P. S. 19	Mildred Berman
	15. V. Collora	Haymakers	Henry Beck
	16. V. Collora	Haymakers	Geo. Meyer
	V. Collora	Haymakers	Wm. Walts
	Wm. Lindermann	Hdq. Mun. Bldg.	Martin Ungrich
	17. V. Collora	Haymakers	Conrad Sponberg
	V. Collora	Haymakers	Dan Tulchinsky
	18. V. Collora	Haymakers	Frank Soloaki
	V. Collora	Haymakers	Harry Albert
	19. V. Collora	Haymakers	C. McLaughlin
	V. Collora	Haymakers	Mildred Pecceralla
	20. V. Collora	Haymakers	John Halway
	22. J. Werner	Headquarters	Unknown
	23. V. Collora	Haymakers	Clara Seavers
	V. Collora	Haymakers	Joseph Williams
	Lillian Raynor	Headquarters	Unknown girl
	24. Wm. Linderman	Headquarters	Jas. Debraggio
	25. V. Collora	Haymakers	Mary McDermott
	Louis Rauschkolb	129 Lafayette Street	Max Siegel
	26. V. Collora	Haymakers	Casper Molonaro
	27. V. Collora	Haymakers	Margaret Dougherty
	28. J. F. Maher	Headquarters	A. Chambonesu
	29. L. Rauschkolb	129 Lafayette Street	Anthony Mannino
Feb.	3. V. Collora	Haymakers	Anna Harris
	4. V. Collora	Haymakers	Alice Reilly
	10. V. Collora	Haymakers	Irwin Bronusky
	14. V. Collora	Haymakers	Margaret McKensie
	15. V. Collora	Haymakers	Edward Cohn
	16. V. Collora	Haymakers	Edith Sandstrom
	17. V. Collora	Haymakers	Agnes Cusock
	18. V. Collora	Haymakers	Annie Hagelberg
	V. Collora	Haymakers	Frank Bats
	20. Louis Rauschkolb	129 Lafayette Street	Wm. Crosby
	23. Louis Rauschkolb	129 Lafayette Street	C. D. Rice
	V. Collora	Haymakers	Elinor Manning
	V. Collora	Haymakers	M. Kelly
	26. V. Collora	Haymakers	Frank Soloaki
Mar.	V. Collora	Haymakers	M. Bradley
	V. Collora	Haymakers	Jos. Mackei
	27. V. Collora	Haymakers	Lucile Hays
	2. V. Collora	Haymakers	Anna Harris
	3. V. Collora	Haymakers	W. Frederick
	4. V. Collora	Haymakers	John Conlon
	5. V. Collora	Haymakers	S. Carrano
	11. Teresa Morgan	Headquarters	Bernard Black
	12. V. Collora	Haymakers	H. Brand
	18. T. Morgan	Headquarters	Alfred Koch
	20. V. Collora	Haymakers	Wm. Walts
	22. V. Collora	Haymakers	Law Degrande

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Mar.	24. V. Collora.....	Haymakers.....	Casper Molonaro
Apr.	1. V. Collora.....	Haymakers.....	Stella Aahing
	3. V. Collora.....	Haymakers.....	John O'Hara
	5. T. Morgan.....	Headquarters.....	Otto Brodman
	6. V. Collora.....	Haymakers.....	Geo. Meyer
	J. Maher.....	Headquarters.....	A. Charnonneau
	J. Maher.....	Headquarters.....	W. McNally
	8. V. Collora.....	Haymakers.....	Conrad Sponberg
	10. V. Collora.....	Haymakers.....	Edith Sorensen
	Louis Rauschkolb.....	129 Lafayette Street.....	Herman Schneider
	12. Louis Rauschkolb.....	129 Lafayette Street.....	Wm. Weeks
	15. Louis Rauschkolb.....	129 Lafayette Street.....	Ernest Wood
	V. Collora.....	Haymakers.....	Helen McLaughlin
	V. Collora.....	Haymakers.....	Mary Conway
	23. Miss Pallister.....	129 Lafayette Street.....	Jas. Miller
	T. Morgan.....	Headquarters.....	Terena Morgan
	26. T. Morgan.....	Headquarters.....	Alfred Koch
	29. T. Morgan.....	Hedquarters.....	Alfred Koch
May	3. V. Collora.....	Haymakers.....	Geo. Oars
	8. V. Collora.....	Haymakers.....	Gustave Anderson
	9. Miss Pallister.....	129 Lafayette Street.....	Elisabeth Conway
	10. Louis Rauschkolb.....	129 Lafayette Street.....	Geo. Miller
	Louis Rauschkolb.....	129 Lafayette Street.....	Geo. Miller
	12. V. Collora.....	Haymakers.....	Sol. Collora
	C. E. Raynor.....	Pleasant Pt.-Old Mill.....	Girl
	16. V. Collora.....	Haymakers.....	M. Collora
	17. V. Collora.....	Haymakers.....	Nellie Murphy
	L. Rauschkolb.....	129 Lafayette Street.....	Abe Greif
	27. V. Collora.....	Haymakers.....	J. Williams
	28. V. Collora.....	Haymakers.....	Conrad Sponberg
	V. Collora.....	Haymakers.....	Aug. Albrecht
	29. Sylvia Eisenberg.....	166 Montague Street.....	Mary Branagan
	31. Sylvia Eisenberg.....	166 Montague Street.....	Unknown
June	1. J. Herold.....	Headquarters, district O.....	Geo. McGinnine
	V. Collora.....	Haymakers.....	Geo Mayer
	2. J. Herold.....	Plum Beach.....	C. Heldrett
	3. J. Herold.....	Plum Beach.....	Earl McLain
	V. Collora.....	Haymakers.....	Frank Burke
	4. V. Collora.....	Haymakers.....	Geo. Schnerbacker
	5. V. Collora.....	Haymakers.....	Joe. Galats
	6. J. Herold.....	Plum Beach.....	Jas. Ridd
	7. V. Collora.....	Haymakers.....	David Tulchinsky
	J. Herold.....	Plum Beach.....	Wm. Waible
	J. Herold.....	Plum Beach.....	Emma Triphit
	J. Herold.....	Plum Beach.....	Mike Britton
	8. V. Collora.....	Haymakers.....	Chas. Schwendennan
	J. Herold.....	Plum Beach.....	John Brown
	9. J. Herold.....	Plum Beach.....	Thos. Rourke
	C. E. Raynor.....	Pleasant Beach.....	Harry Nystrom
	10. J. Herold.....	Plum Beach.....	May Reid
	11. J. Herold.....	Plum Beach.....	Max Kelly
	V. Collora.....	Haymakers.....	Morris Bezrama
	12. J. Herold.....	Plum Beach.....	Frank Prompo
	J. Herold.....	Plum Beach.....	Johnny Herat
	13. J. Herold.....	Plum Beach.....	Geo. Dockmullen
	14. J. Herold.....	Plum Beach.....	R. Elsworth
	J. Herold.....	Plum Beach.....	E. J. Eliner
	15. J. Herold.....	Plum Beach.....	R. S. Taher
	16. J. Herold.....	Plum Beach.....	Richard Johnston
	17. V. Collora.....	Haymakers.....	Morris Bergerama

Date 1918	Members rendering " first aid "	Place where	Persons assisted
June 17	J. Herold.....	Plum Beach.....	Harry MacKenzie
	19. V. Collora.....	Haymakers.....	A. Omit
	19. J. Herold.....	Plum Beach.....	Jos. Passalacqua
	J. Herold.....	Plum Beach.....	Harold Smith
	J. Herold.....	Plum Beach.....	Elmer Weaver
	20. J. Herold.....	Plum Beach.....	Jacob Henowits
	J. Herold.....	Ostend Baths.....	John Block
	21. Hugh Holmberg.....	Haymakers.....	Ensign Henry Rossmar
	V. Collora.....	Haymakers.....	Chas. Wirth
	23. H. Dobbin.....	Headquarters.....	Unknown man
	24. V. Collora.....	Haymakers.....	Mary Imgenito
	J. Herold.....	Plum Beach.....	Stanley Drevenaki
	25. T. Morgan.....	Headquarters.....	Mr. Michael
	26. J. Herold.....	Plum Beach.....	Wesley Francis
	28. J. Herold.....	Plum Beach.....	Arthur Guick
July	1. J. Herold.....	Plum Beach.....	Russell Harris
	2. Hugh Holmberg.....	Ostend Baths.....	Rose Peterman
	J. Herold.....	Plum Beach.....	Wm. Lincker
	3. V. Collora.....	Haymakers.....	Ella Cavallieve
	J. Herold.....	Plum Beach.....	Edward Mang
	4. Hugh Holmberg.....	Ostend Baths.....	Walter Fourback
	J. Herold.....	Plum Beach.....	Geo. Mechlian
	J. Herold.....	Plum Beach.....	Donald Pegg
	5. J. Herold.....	Plum Beach.....	John Plokakis
	6. J. Herold.....	Plum Beach.....	C. Reagan
	7. J. Herold.....	Plum Beach.....	C. Rogers
	8. J. Herold.....	Plum Beach.....	Frederick Sesson
	J. Herold.....	Plum Beach.....	Cosimo Somma
	9. Hugh Holmberg.....	Ostend Beach.....	Louis Massa
	Hugh Holmberg.....	Ostend Beach.....	H. Baxter
	J. Herold.....	Plum Beach.....	Frank Olson
	10. J. Herold.....	Plum Beach.....	Crovanni Toto
	11. V. Collora.....	Haymakers.....	John Lehnfeld
	12. V. Collora.....	Haymakers.....	Theresa Gunaldi
	13. Hugh Holmberg.....	Ostend Baths.....	Jack Ottenheimer
July	14. Hugh Holmberg.....	Ostend Baths.....	J. Mills
	V. Collora.....	Haymakers.....	Geo. Mayer
	15. Hugh Holmberg.....	Ostend Baths.....	Raymond Schoenberg
	V. Collora.....	Haymakers.....	Frieda Bruman
	J. Herold.....	Plum Beach.....	Saltes Clark
	16. J. Herold.....	Plum Beach.....	Parker Dunn
	17. J. Herold.....	Plum Beach.....	Walter Donohue
	18. J. Herold.....	Plum Beach.....	Geo. Howard
	19. Hugh Holmberg.....	Ostend Baths.....	Arthur Piverotto

HEADQUARTERS DISTRICT O

July	20. V. Collora.....	Haymakers.....	Chas. Wirth
	J. Herold.....	Plum Beach.....	Peter Gregory
July	21. Hugh Holmberg.....	Ostend Baths.....	Russell Abrams
	V. Collora.....	Haymakers.....	Jos. Galati
July	22. J. Herold.....	Plum Beach.....	Henry Fowler
	J. Herold.....	Plum Beach.....	Miss Burns
July	23. V. Collora.....	Haymakers.....	Tessie Case
	24. Hugh Holmberg.....	Ostend Baths.....	David Rose
July	V. Collora.....	Haymakers.....	F. Eyland
	J. Herold.....	Plum Beach.....	Miss Wabash
July	25. J. Herold.....	Plum Beach.....	Miss Kunge
	26. L. Rauschkolb.....	129 Lafayette St.....	Jos. Dipple
July	V. Collora.....	Haymakers.....	Ed. Gough

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	26. J. Herold.....	Plum Beach.....	Vincent Crowe
	27. J. Herold.....	Plum Beach.....	Herman Battler
	28. V. Collora.....	Haymakers.....	W. Gibson
Aug.	J. Herold.....	Plum Beach.....	Carl Anderson
	30. J. Herold.....	Plum Beach.....	Chrs. Peterson
	1. J. Herold.....	Plum Beach.....	Henry Scobell
	2. William Linderman.....	Headquarters Sands Bay...	Frank Sheppard
	3. Hugh Holmburg.....	Ostend Baths.....	Harry From
	V. Collora.....	Haymakers.....	Mary Ingenito
	J. Herold.....	Plum Beach.....	A. Weybecki
	4. Hugh Holmburg.....	Ostend Baths.....	Irving Lewy
	5. Hugh Holmburg.....	Ostend Baths.....	L. Weill
	V. Collora.....	Haymakers.....	Mary Ingenito
	J. Herold.....	Plum Beach.....	Ed Anderson
	6. Hugh Holmburg.....	Ostend Baths.....	Julie Broner
	Hugh Holmburg.....	Ostend Baths.....	Willard Brandt
	Hugh Holmburg.....	Ostend Baths.....	Adolph Harka
	Hugh Holmburg.....	Ostend Baths.....	H. Luden
	Hugh Holmburg.....	Ostend Baths.....	Herman Yohalem
	J. Herold.....	Plum Beach.....	Wm. Colwits
	7. J. Herold.....	Plum Beach.....	Frank Dano
	Hugh Holmburg.....	Ostend Baths.....	Anton Gobel
	9. Wm. Linderman.....	Headquarters.....	Unknown
	10. V. Collora.....	Haymakers.....	May Hynes
	J. Herold.....	Plum Beach.....	Ed. Conocox
	11. W. Linderman.....	Headquarters.....	Florence Ennis
	V. Collora.....	Haymakers.....	C. Sponberg
	J. Herold.....	Plum Beach.....	Ant. Levil
	J. Herold.....	Plum Beach.....	John Sharp
	12. Hugh Holmburg.....	Ostend Baths.....	Louis Gillner
	Hugh Holmburg.....	Ostend Baths.....	James Delphos
	13. J. Herold.....	Plum Beach.....	F. Vasseur
	J. Herold.....	Plum Beach.....	W. Clark
	14. Hugh Holmburg.....	Ostend Baths.....	Charlotte Alexander
	T. Morgan.....	Headquarters.....	Daniel O'Keefe
	J. Herold.....	Plum Beach.....	Wa ter Hoffeis
	15. J. Herold.....	Plum Beach.....	Wm. Edwards
	16. V. Collora.....	Haymakers.....	Jas. Young
	J. Herold.....	Plum Beach.....	Jos. Purkoitis
	17. Hugh Holmburg.....	Ostend Baths.....	H. Block
	J. Herold.....	Plum Beach.....	Chas. Gerquiest
	Louis Rauschkolb.....	129 Lafayette St.....	John Hood
	18. J. Herold.....	Plum Beach.....	Raphael Egan
	19. Louis Rauschkolb.....	120 Lafayette St.....	John Hood
	20. V. Collora.....	Haymakers.....	C. McLaughlin
	J. Herold.....	Plum Beach.....	Arthur McKenna
	J. Herold.....	Plum Beach.....	Amil Eggleston
	J. Herold.....	Plum Beach.....	John Cleary
	21. J. Herold.....	Plum Beach.....	Lloyd Sanford
	23. Hugh Holmburg.....	Ostend Baths.....	Sylvan Settel
	Doctor.....		
	Hugh Holmburg.....	Ostend Baths.....	Claudia Peralta
	J. Herold.....	Plum Beach.....	Geo. Myers
	24. J. Herold.....	Plum Beach.....	Miss Nagangew
	25. Hugh Holmburg.....	Ostend Baths.....	Meyer Schewitzser
	27. V. Collora.....	Haymakers.....	John Halway
	J. Herold.....	Plum Beach.....	Ralph Connoly
	J. Herold.....	Plum Beach.....	Sam Domenico
	28. J. Herold.....	Plum Beach.....	John Toth
	29. J. Herold.....	Plum Beach.....	John Arnold
	30. V. Collora.....	Haymakers.....	Morris Alpert

	Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	31.	J. Herold.....	Plum Beach.....	Harry Loser
Sept.	1.	J. Herold.....	Plum Beach.....	Geo. Wood
	2.	J. Herold.....	Plum Beach.....	Willard McVugh
	3.	J. Herold.....	Plum Beach.....	Jones Maryone
		V. Collora.....	Haymakers.....	Aug. Albrecht
		J. Herold.....	Plum Beach.....	Geo. Geffert
	4.	V. Collora.....	Haymakers.....	Mary McGuire
		J. Herold.....	Plum Beach.....	Alger Johnson
		J. Herold.....	Plum Beach.....	Ed. Erlandson
	5.	J. Herold.....	Plum Beach.....	Harry Schellhorn
	6.	V. Collora.....	Haymakers.....	Geo. Dehler
		J. Herold.....	Plum Beach.....	Geo. Duner
	6.	J. Herold.....	Plum Beach.....	Tom Goodman
	7.	J. Herold.....	Plum Beach.....	Robert Stockly
	8.	J. Herold.....	Plum Beach.....	Frank Horkanchuck
	9.	C. Pfeifer.....	Public School No. 19.....	Millie Milowakas
		J. Herold.....	Plum Beach.....	August Tunc
	10.	V. Collora.....	Haymakers.....	Hans Rosenthal
		J. Herold.....	Plum Beach.....	Chas. Forainci
	11.	V. Collora.....	Haymakers.....	Josie Williams
		J. Herold.....	Plum Beach.....	Karl Ringkib
	12.	V. Collora.....	Haymakers.....	William Dallman
		J. Herold.....	Plum Beach.....	Chas. Finkelsturn
	13.	V. Collora.....	Haymakers.....	Josie Williams
		J. Herold.....	Plum Beach.....	Frank Letti
	14.	J. Herold.....	Plum Beach.....	Louis Massoni
		J. Herold.....	Plum Beach.....	Marston Drake
	15.	V. Collora.....	Haymakers.....	W. Cole
	16.	C. E. Raynor.....	Headquarters.....	Unknown man
		J. Herold.....	Plum Beach.....	Jacob Yeomans
	17.	J. Herold.....	Plum Beach.....	Morris Kanimitaky
	18.	J. Herold.....	Plum Beach.....	Chas. Mittenan
	19.	J. Herold.....	Plum Beach.....	Unknown
	20.	V. Collora.....	Haymakers.....	Geo. Schneibacker
		J. Herold.....	Plum Beach.....	Patrick Ridican
	21.	J. Herold.....	Plum Beach.....	Jeteo Guncko
	22.	J. Herold.....	Plum Beach.....	Paul Gadebusch
	23.	J. Herold.....	Plum Beach.....	Julius Pondt
	24.	V. Collora.....	Haymakers.....	Frank Burke
		J. Herold.....	Plum Beach.....	Nathan Lapolsky
		J. Herold.....	Plum Beach.....	Emy Wing
	25.	J. Herold.....	Plum Beach.....	Carlo Thippoli
	26.	J. Herold.....	Plum Beach.....	John Pollock
	27.	V. Collora.....	Haymakers.....	Chas. Mondona
	28.	V. Collora.....	Haymakers.....	David Tuchinsky
	30.	V. Collora.....	Haymakers.....	David Tuchinsky
Oct.	1.	V. Collora.....	Haymakers.....	A. Osit
		V. Collora.....	Haymakers.....	Isabelle Keegan
	3.	V. Collora.....	Haymakers.....	Mary Dadamo
	10.	Louis Rauschkolb.....	129 Lafayette St.....	Harry Weiner
	16.	Louis Rauschkolb.....	129 Lafayette St.....	Eugene McGowan
	19.	Louis Rauschkolb.....	129 Lafayette St.....	Louis Lubkin
	23.	H. Stiglin.....	Municipal Ferry.....	Unknown man
	26.	Louis Rauschkolb.....	129 Lafayette St.....	Harry Weiner
Nov.	12.	J. W. Dwyer.....	Pier 30.....	W. Corbin
	16.	J. W. Dwyer.....	Pier 36.....	W. Corbin
	20.	Louis Rauschkolb.....	129 Lafayette St.....	Peter Pascale
	22.	Louis Rauschkolb.....	129 Lafayette St.....	Hyman Levin
Dec.	12.	Wm. Linderiman.....	Headquarters.....	Martha Johnson
	20.	Louis Rauschkolb.....	129 Lafayette St.....	Mr. Morgan
	21.	Louis Rauschkolb.....	129 Lafayette St.....	John Hood

RESCUES

Date 1918	Member making rescue	Place where	Person rescued
July	14. Hugh Holmburg.....	Ostend Baths.....	3 men and motorboat
	21. Hugh Holmburg.....	Ostend Baths.....	Ruth Barnott
	J. Herold.....	Plum Beach.....	Edward Bell
Aug.	29. J. Herold.....	Plum Beach.....	Ernest Henter
	2. J. Herold.....	Plum Beach.....	W. Glacken
	7. Hugh Holmburg.....	Ostend Baths.....	Margarite Fisher
	11. Hugh Holmburg.....	Ostend Baths.....	Carolax Epstein
	18. Hugh Holmburg.....	Ostend Baths.....	Mrs. Lutz
	19. J. Herold.....	Plum Beach.....	5 men and row boat
	21. Hugh Holmburg.....	Ostend Baths.....	2 men and women
	22. J. Herold.....	Plum Beach.....	Aibert Laird
Sept.	25. J. Herold.....	Plum Beach.....	Martin Smith
	2. Hugh Holmburg.....	Ostend Baths.....	Albert Grochinsky

FIRST AID**BATHS**

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Mar.	19. J. McLaughlin.....	Rivington Baths.....	Samuel Golomb
April	4. J. McLaughlin.....	Rivington Baths.....	Henry Waltman
	8. Elaine Golding.....	23d St Baths.....	Mrs. Jucker
	23. Elaine Golding.....	23d St Baths.....	Irene Stein
May	29. J. McLaughlin.....	Rivington Baths.....	Daniel Thomas
	31. J. McLaughlin.....	Rivington Baths.....	Samuel Maslin
June	18. Elaine Golding.....	23d St. Baths.....	Jennie Kapolkin
July	22. Elaine Golding.....	23d St. Baths.....	Mrs. Hoilends
Aug.	8. Elaine Golding.....	23d St. Baths.....	Gertrude Berger

PLAY GROUNDS

Jan.	17. Dr. Feinstein.....	McCaren.....	Mrs. Louise Farkas
	21. Dr. Sumner.....	Bushwick.....	Leo Schroeder

BOROUGH OF MANHATTAN**FIRST AID****QUEENSBORO BRIDGE**

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Feb.	2. Wm. Zieker.....	Queensboro Bridge.....	Joseph O'Leary
	26. Wm. Zieker.....	Queensboro Bridge.....	Chas. Keeler
	Wm. Zieker.....	Queensboro Bridge.....	Chas. Keeler
	27. Wm. Zieker.....	Queensboro Bridge.....	John Gilroy
Mar.	Wm. Zieker.....	Queensboro Bridge.....	John Gilroy
	2. Wm. Zieker.....	Queensboro Bridge.....	Louis Dielli
	Wm. Zieker.....	Queensboro Bridge.....	Louis Dielli
June	18. Charles Beller.....	Queensboro Bridge.....	Wm. Hettinger
July	21. Wm. Zieker.....	Queensboro Bridge.....	F. Higgins
	22. F. J. Higgins.....	Queensboro Bridge.....	John Stehnack
Aug.	4. Peter Nelson.....	Queensboro Bridge.....	Leo Migano
	7. F. J. Higgins.....	Queensboro Bridge.....	Mr. De Custer
	10. Peter Nelson.....	Queensboro Bridge.....	J. Myers
	16. F. J. Higgins.....	Queensboro Bridge.....	Frank Pighimi
	17. Peter Nelson.....	Queensboro Bridge.....	Florence Grady
	Peter Nelson.....	Queensboro Bridge.....	Charles Girolomo
Oct.	3. Peter Nelson.....	Queensboro Bridge.....	Kenneth Rider
Nov.	16. Peter Nelson.....	Queensboro Bridge.....	Allen Taggart
	17. Wm. Zieker.....	Queensboro Bridge.....	Wm. O'Leary

ASSISTANCE RENDERED

Date 1918	Member giving assistance	Place where	Assistance rendered
May	13. Charles Beller..... John McGuire.....	Queensboro Bridge.....	Coal barge recovered
June	8. Frank Higgins..... Wm. Zieker.....	Queensboro Bridge.....	Boat, man and child
Oct.	1. W. McGuire..... Peter Nelson..... 12. W. McGuire..... W. Zieker.....	Queensboro Bridge'..... Queensboro Bridge.....	Harbor craft Motor boat

FIRST AID

FIFTY-EIGHTH STREET AUXILIARY CREW

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	16. W. O'Brien..... 17. T. Cusick..... 18. W. O'Brien..... 20. Tom McAvary..... 21. Paul Maguire..... 22. Tom McAvary..... 23. Paul Maguire..... 24. W. O'Brien.....	58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew.....	John Kiel Mike Appolla Mike Armittio Steve Becker Joseph Zawedennji Harold Kunts Joe Daly Joe Birnbaum
Aug.	11. Mr. Lockwood..... W. Maguire..... W. O'Brien..... W. Maguire..... 12. W. O'Brien..... T. Cusick..... W. O'Brien..... 13. W. Maguire..... 14. W. Maguire..... 16. D. Enderly..... 17. Wm. O'Brien..... T. Cusick..... Wm. O'Brien..... 18. Wm. O'Brien..... 20. Wm. O'Brien..... 21. P. Maguire..... 22. Wm. O'Brien..... 23. P. Maguire..... 24. W. O'Brien.....	58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew.....	F. Peonciarso Geo. Greer Michael Jerette Alfred Briggs Jacob Neuriter J. Meyers Joe Tuchs John Wiel Mike Apolla Mike Armetti Steve Becker Joseph Zaederanji Harold Kunts Joe Daly Joe Birnbaum
Sept.	1. A. Lockhart..... V. Maguire..... 3. V. Maguire..... 8. W. O'Brien..... T. Cusick..... 9. Wm. O'Brien..... 10. V. Maguire..... 12. Mr. Enderly..... 13. Jerry Karl.....	58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew..... 58th St. Aux. Crew.....	F. Pernicia Geo. Greer Michael Jenetti Alfred Borggs Jacob Neurites Joe Fuchs Sam Rotheinstein

BOATS ASSISTED

FIFTY-EIGHTH STREET AUXILIARY CREW

Date 1918	Member giving assistance	Place where	Rescued
April	14. P. Maguire and T. Cusick.....	58th St. Auxiliary Crew....	Launch
June	17. T. Cusick, W. O'Brien, P. Maguire.....	58th St. Auxiliary Crew....	Raft
	18. W. O'Brien.....	58th St. Auxiliary Crew....	E. B. Diamond

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Date 1918	Member giving assistance	Place where	Rescued
June	19. W. O'Brien and T. Cusick.....	58th St. Auxiliary Crew....	N. J. freight boat
	19. A. Lockwood and W. Waring...	58th St. Auxiliary Crew....	J. Kelley
	25. W. Maguire, W. O'Brien.....	58th St. Auxiliary Crew....	Unknown boys
	27. W. Maguire, W. O'Brien.....	58th St. Auxiliary Crew....	Gene Vervilli
July	16. W. Maguire, W. O'Brien.....	58th St. Auxiliary Crew....	Launch "Babe"
	17. W. O'Brien, V. Maguire, Jerry Kral.....	58th St. Auxiliary Crew....	Large raft
	18. W. O'Brien, V. Maguire, Jerry Kral.....	58th St. Auxiliary Crew....	B. diamond in boat.
	19. W. O'Brien, V. Maguire.....	58th St. Auxiliary Crew....	Boat
	W. O'Brien, Lockhart, T. Cusick	58th St. Auxiliary Crew....	N. J. Central freight boat
	20. W. Waring, A. Lockhart.....	58th St. Auxiliary Crew....	J. Reilly and dory
	25. W. O'Brien, V. Maguire.....	58th St. Auxiliary Crew....	Boy with boat
Aug.	5. V. Maguire, T. Cusick.....	58th St. Auxiliary Crew....	Large raft
	14. W. O'Brien, V. Maguire.....	58th St. Auxiliary Crew....	Motor boat "Babe"
	28. A. Lockhart.....	58th St. Auxiliary Crew....	Small rafts
	A. Lockhart, Jerry Kral, F. J. Higgins.....	58th St. Auxiliary Crew....	Two motor boats
Sept.	11. J. Kral, A. Lockhart, W. Zieker..	58th St. Auxiliary Crew....	Motor boat
Oct.	23. V. Maguire, C. Meyers.....	58th St. Auxiliary Crew....	Island boat

WRECKAGE

FIFTY-EIGHTH STREET AUXILIARY CREW

Date 1918	Member giving assistance	Place where	Wreckage removed
April	4. Wm. O'Brien.....	58th St. Auxiliary Crew....	Two logs
July	19. M. Lacy.....	58th St. Auxiliary Crew....	10 x 6, 12 logs
Aug.	1. W. Maguire, T. Cusick.....	58th St. Auxiliary Crew....	Two 10 x 10 logs
	28. Jerry Kral.....	58th St. Auxiliary Crew....	Log 10 x 10
	T. Cusick, V. Maguire.....	58th St. Auxiliary Crew....	Big raft
	29. T. Cusick, V. Maguire, J. Kral..	58th St. Auxiliary Crew....	Large log

ANIMALS SAVED

FIFTY-EIGHTH STREET AUXILIARY CREW

Date 1918	Member giving assistance	Place where	Animal assisted
May	5. Gerald Kral and J. Maguire....	58th St. Auxiliary Crew....	Rescued dog
	15. J. Maguire, Wm. O'Brien.....	58th St. Auxiliary Crew....	Rescued dog

FIRST AID

RED WING BOAT CLUB

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Feb.	20. John Murray.....	Red Wing Club.....	Peter McDonald
	23. John Murray.....	Red Wing Club.....	William Scanlon
April	21. Joseph Notch.....	Red Wing Club.....	John Lyons
	28. John Murray.....	Red Wing Club.....	Solomon Raseltiner
May	1. A. Sinclair.....	Red Wing Club.....	Peter McDonald
	A. Sinclair.....	Red Wing Club.....	John McPhillips
	13. John Murray.....	Red Wing Club.....	Arthur Kauphell
	26. John Murray.....	Red Wing Club.....	John Eberhardt
June	9. John Murray.....	Red Wing Club.....	Wm. Staff
	John Murray.....	Red Wing Club.....	John Kingsley
	16. John Murray.....	Red Wing Club.....	John Solva

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June 24.	John Murray.....	Red Wing Club.....	James McCarty
July 5.	John Murray.....	Red Wing Club.....	Robert Schuhan
6.	John Murray.....	Red Wing Club.....	Mike Owens
8.	Joseph Notch.....	Red Wing Club.....	John Noonan
12.	John Murray.....	Red Wing Club.....	Thos. Dunn
	Jos. Notch.....	Red Wing Club.....	Frank Kehoe
14.	John Murray.....	Red Wing Club.....	Thos. Marginal
	John Murray.....	Red Wing Club.....	John Towney
16.	John Murray.....	Red Wing Club.....	Verino Ricci
	H. Wolesen.....	Red Wing Club.....	Natale Bigandi
19.	Peter Casnelli.....	Red Wing Club.....	James O'Brien
	H. Wolesen.....	Red Wing Club.....	Henry Roth
27.	Wm. Kingsley.....	Red Wing Club.....	Thos. Donnelly
	Arthur Schnable.....	Red Wing Club.....	Peter Petrone
30.	John Murray.....	Red Wing Club.....	James Mugent
Aug. 2.	John Murray.....	Red Wing Club.....	Patrick Scherhan
3.	H. Wolesen.....	Red Wing Club.....	James McGinty
4.	John Murray.....	Red Wing Club.....	Patrick Scherhan
	Robert Casnelli.....	Red Wing Club.....	Cornelle Spanelli
7.	John Murray.....	Red Wing Club.....	Frank Barossi
	John Murray.....	Red Wing Club.....	Katherine Finnegan
8.	John Murray.....	Red Wing Club.....	Wm. Kingsley
	John Murray.....	Red Wing Club.....	Unknown
	H. Wolesen.....	Red Wing Club.....	Thos. Dunn
10.	John Murray.....	Red Wing Club.....	Rich Bulire
12.	Frank Kingsley.....	Red Wing Club.....	John De Rose
26.	Frank Kingsley.....	Red Wing Club.....	Stephen Gottlieb
29.	Frank Kingsley.....	Red Wing Club.....	Victor Mafrelo
30.	John Murray.....	Red Wing Club.....	Edward Klamie
31.	John Murray.....	Red Wing Club.....	Unknown
Sept. 10.	John Murray.....	Red Wing Club.....	John Samuels
24.	John Murray.....	Red Wing Club.....	Edward Donnelly
	John Murray.....	Red Wing Club.....	John Dunn
Oct. 3.	Frank Kingsley.....	Red Wing Club.....	Peter Casnelli

RESCUES

RED WING BOAT CLUB

Date 1918	Member making rescue	Place where	Person rescued
May 25.	John Murray.....	Red Wing Boat Club.....	Unknown
June 9.	John Murray.....	Red Wing Boat Club.....	Geo. Casnelli
Aug. 14.	John Murray.....	Red Wing Boat Club.....	Sam Balamo
	John Murray.....	Red Wing Boat Club.....	Louise Di Muro
	20. John Sinclair.....	Red Wing Boat Club.....	Henry Bemue
	25. John Sinclair.....	Red Wing Boat Club.....	Unknown
Sept. 2.	Frank Kingsley.....	Red Wing Boat Club.....	Sarah Quimia

ANIMALS SAVED

RED WING BOAT CLUB

Date 1918	Member making rescue	Place where	Animal rescued
May 1.	John Murray.....	Red Wing Boat Club.....	Horse
July 11.	John Murray and John Sinclair.	Red Wing Boat Club.....	Dog
	25. Frank Casnelli.....	Red Wing Boat Club.....	Dog
	W. Scanlon.....	Red Wing Boat Club.....	Dog

BODIES RECOVERED**RED WING BOAT CLUB**

Date 1918	Member making rescue	Place where	Body recovered
May 14.	John Murray.....	Red Wing Boat Club.....	Unknown man

WRECKAGE**RED WING BOAT CLUB**

Date 1918	Member giving assistance	Place where	Wreckage removed
April	20. J. McPhillips.....	Red Wing Boat Club.....	1 log 45 feet
May	2. A. Sinclair.....	Red Wing Boat Club.....	1 log 50 feet
	18. J. Murray.....	Red Wing Boat Club.....	1 log 20 feet
	26. J. Murray.....	Red Wing Boat Club.....	1 raft
June	16. J. Murray.....	Red Wing Boat Club.....	1 raft
	A. Sinclair.....		
July	4. Peter Diehle.....	Red Wing Boat Club.....	1 raft
	11. Joseph Notch.....	Red Wing Boat Club.....	1 spile 25 feet
	13. Joseph Notch.....	Red Wing Boat Club.....	1 spile
	Jacob Cox.....	Red Wing Boat Club.....	1 raft
	14. J. Sinclair.....	Red Wing Boat Club.....	1 spile 30 feet
	18. Jacob Cox.....	Red Wing Boat Club.....	1 log
	Jos. Notch.....	Red Wing Boat Club.....	1 spile
	Herman Wollesen.....	Red Wing Boat Club.....	1 raft
	20. H. Wollesen.....	Red Wing Boat Club.....	1 raft
	24. R. Casanelli.....	Red Wing Boat Club.....	1 log
	John Murray.....	Red Wing Boat Club.....	1 sunken boat
	25. Peter Casanelli.....	Red Wing Boat Club.....	1 log
	27. Arthur Schnable.....	Red Wing Boat Club.....	1 log
	28. H. Wollesen.....	Red Wing Boat Club.....	1 log
	29. Frank Kingsley.....	Red Wing Boat Club.....	1 spile
	31. John Murray.....	Red Wing Boat Club.....	1 raft
Aug.	1. A. Schnable.....	Red Wing Boat Club.....	1 raft
	4. Frank Casanelli.....	Red Wing Boat Club.....	1 spile
	Wm. Kingsley.....	Red Wing Boat Club.....	1 log
	6. H. Wollesen.....	Red Wing Boat Club.....	3 spiles
	F. Kingsley.....	Red Wing Boat Club.....	1 log
	8. F. Kingsley.....	Red Wing Boat Club.....	1 log
	9. Robert Casanelli.....	Red Wing Boat Club.....	1 log
	10. F. Kingsley.....	Red Wing Boat Club.....	1 raft
	11. John Murray.....	Red Wing Boat Club.....	1 part sunken boat
	13. John Murray.....	Red Wing Boat Club.....	1 spile
	15. John Murray.....	Red Wing Boat Club.....	1 raft
	18. John Murray.....	Red Wing Boat Club.....	1 log
	19. John Murray.....	Red Wing Boat Club.....	3 spiles
	W. Kingsley.....	Red Wing Boat Club.....	1 raft
	23. R. Casanelli.....	Red Wing Boat Club.....	1 raft
	25. J. Murray.....	Red Wing Boat Club.....	3 spiles
	27. J. Murray.....	Red Wing Boat Club.....	1 log
	28. Wm. Kingsley.....	Red Wing Boat Club.....	2 logs
	30. J. Murray.....	Red Wing Boat Club.....	1 log
Sept.	10. J. Murray.....	Red Wing Boat Club.....	1 log
	21. J. Murray.....	Red Wing Boat Club.....	1 spile
	22. J. Murray.....	Red Wing Boat Club.....	3 spiles
	27. J. Murray.....	Red Wing Boat Club.....	1 spile
	29. Wm. Kingsley.....	Red Wing Boat Club.....	1 log
	J. Murray.....	Red Wing Boat Club.....	1 log
Oct.	1. Arthur Schaefer.....	Red Wing Boat Club.....	1 spile
	3. J. Murray.....	Red Wing Boat Club.....	1 log
Nov.	3. J. Murray.....	Red Wing Boat Club.....	1 log

FIRST AID

YORKVILLE

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Mar.	15. Victor Sotton	Yorkville	Raymond Grub
May	5. Victor Sotton	Yorkville	Peter Heffner
	29. Wm. Karsten	Yorkville	John Falce
June	1. Wm. Karsten	Yorkville	Joseph Ticek
July	3. Joe Euler	Yorkville	Harry Kramer
	5. Chas. Goertler	Yorkville	John Oconony
	6. Marty Spath	Yorkville	Chas. Zimmerman
	F. Fay	Yorkville	Geo. Kolpacs
	9. Chas. Goertler	Yorkville	Peter Angelo
	Jas. Detman	Yorkville	Geo. Siener
	14. Jas. Detman	Yorkville	Henry Weilman
	15. Jas. Detman	Yorkville	Wm. Rullman
	Jas. Detman	Yorkville	Robert Kuveke
	Jas. Detman	Yorkville	Vincent Kenny
	18. Jas. Detman	Yorkville	Thos. Collins
	19. Jas. Detman	Yorkville	Morris Tischler
	Jas. Detman	Yorkville	Nicholas Gerlach
	20. Geo. Sotton	Yorkville	Fred Muller
	22. J. Detman	Yorkville	Catherine Collins
	J. Detman	Yorkville	Louise Espanet
	J. Detman	Yorkville	Benjamin Phillips
	J. Detman	Yorkville	Hilbert Simon
	J. Detman	Yorkville	Elizabeth McCallum
	23. Geo. Sotton	Yorkville	John Domschits
	Jos. Euler	Yorkville	Edw. Brundford
	24. Jos. Euler	Yorkville	Wm. Sullivan
	25. Thos. Fox	Yorkville	John Molmar
	26. Tom Fay	Yorkville	Moe. Shapiro
	Tom Fay	Yorkville	Howard Callahan
	27. G. Sotton	Yorkville	Harry Schwartz
Aug.	1. J. Detman	Yorkville	Ignacio Cocchiara
	2. Jos. Euler	Yorkville	Ed. Speiser
	J. Detman	Yorkville	Clarence Engel
	J. Detman	Yorkville	Henry Sager
	5. J. Detman	Yorkville	Jacob Schwartz
	J. Detman	Yorkville	Joseph Franco
	6. J. Detman	Yorkville	Nicholas Berwanger
	J. Detman	Yorkville	Nora Relyea
	7. Jos. Euler	Yorkville	Wm. Schwartz
	8. Chas. Coyle	Yorkville	Oscar Schwartz
	J. Detman	Yorkville	Otto Kuhus
	J. Detman	Yorkville	Thos. Clary
	9. J. Detman	Yorkville	Ralph Miller
	12. J. Detman	Yorkville	Phillip Schwartz
	13. Jos. Euler	Yorkville	Alex. Schnetkowi
	J. Detman	Yorkville	Ruth Wolf
	14. M. Spath	Yorkville	Joseph Priven
	J. Detman	Yorkville	Arthur Murphy
	15. J. Detman	Yorkville	Wm. Bistris
	J. Detman	Yorkville	Isadore Cohen
	16. J. Detman	Yorkville	Edward Shoemaker
	J. Detman	Yorkville	Gus. Hyman
	J. Detman	Yorkville	Pinney Bloom
	J. Detman	Yorkville	Fred Wotruba
	19. Jos. Euler	Yorkville	John Wardt
	Chas. Goertler	Yorkville	Rudolph Spinnler
	20. Geo. Sotton	Yorkville	Otto Axmann

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug.	23. Jos. Euler	Yorkville.....	Chas. Schwartz
	24. Jos. Euler	Yorkville.....	Levy Palumbo
	Jos. Euler.....	Yorkville.....	Chas. Driekman
	29. Jos. Euler.....	Yorkville.....	Jas. Grady
	Jos. Euler	Yorkville.....	Alexander Riggs
	30. Jos. Euler	Yorkville.....	Agnes Fox
	Jos. Euler	Yorkville.....	Nathan Imowits
	31. Thos. Fay	Yorkville.....	Harold Farrell

RESCUES

YORKVILLE

Date 1918	Member making rescue	Place where	Person rescued
May	6. Chas. Coyle	Yorkville.....	James O'Conner
	7. Victor Sotton.....	Yorkville.....	Collins Keller
	18. J. Detman.....	Yorkville.....	Harold Jackson
	23. J. Detman.....	Yorkville.....	Frank Holecek
Aug.	8. J. Detman.....	Yorkville.....	Morris Rottener
	9. Chas. Coyle	Yorkville.....	May Hein
	Chas. Coyle	Yorkville.....	Adam Kohlhop
	29. Jos. Euler	Yorkville.....	Geo. Rudikoff

ASSISTANCE RENDERED

YORKVILLE

Date 1918	Member giving assistance	Place where	Assistance
Mar.	10. Victor Sotton.....	Yorkville.....	Returned park bench
	17. Victor Sotton.....	Yorkville.....	Assisted woman get cat from tree

FIRST AID

HARLEM

Date 1918	Members rendering " first aid "	Place where	Persons assisted
May	18. Abe. Bloomfield.....	Harlem.....	Geo. Meyer
	22. Abe. Bloomfield.....	Harlem.....	Max Bremmer
	25. E. O'Connor.....	Harlem.....	Samuel Levenkoff
June	15. E. O'Connor.....	Harlem.....	Eve Lenkron
	17. Abe. Bloomfield.....	Harlem.....	Max Friedman
	18. A. Birnie.....	Harlem.....	Max Cohen
	19. A. Birnie.....	Harlem.....	Myer Brown
	22. E. O'Connor.....	Harlem.....	Peter Marioo
	25. A. Birnie.....	Harlem.....	Angelo Coavetti
	28. A. Bloomfield.....	Harlem.....	Abe. Bloomfield
	29. E. O'Connor.....	Harlem.....	Wm. Berry
	30. E. O'Connor.....	Harlem.....	Mr. Himmel
	E. O'Connor.....	Harlem.....	E. O'Connor

CYGNET YACHT CLUB

May	23. James Ryan	Cygnets Yacht Club.....	Edward McCallum
	27. Frank Sundstrom.....	Cygnets Yacht Club.....	Antonie Simonitti
June	7. August Gennerich.....	Cygnets Yacht Club.....	Henry Kerpee
July	21. August Gennerich.....	Cygnets Yacht Club.....	Henry Ahnemann

RESCUES

CYGNET YACHT CLUB

Date 1918	Member making rescue	Place where	Person rescued
June 7.	Frank Sundstrom.....	Cygnat Yacht Club.....	Vincent Lachner
Aug. 24.	H. B. Schuls.....	Cygnat Yacht Club.....	William Calmbacher
	J. Schmidt.....		

BOATS ASSISTED

CYGNET YACHT CLUB

Date 1918	Member giving assistance	Place where	Boats assisted
May 9.	Capt. Gennerich.....	Cygnat Yacht Club.....	Scow and barge
Sept. 18.	Capt. Gennerich.....	Cygnat Yacht Club.....	Motor boat

WRECKAGE

CYGNET YACHT CLUB

Date 1918	Member giving assistance	Place where	Wreckage removed
Apr. 16.	Frank Sundstrom.....	Cygnat Yacht Club.....	7-foot log
30.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 18 ft.
May 5.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 12 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 7 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 9 ft.
20.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 21 ft.
	Schuls.....		
June 20.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 22 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 33 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	20 planks, 17 in. x 14 in.
July 2.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 26 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	8 bottles
	Frank Sundstrom.....	Cygnat Yacht Club.....	6 spikes
	Frank Sundstrom.....	Cygnat Yacht Club.....	8 bolts, 22 in.
4.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 21 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	8 spikes 22 in.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 21 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 11 x 11 ft.
10.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 19 ft.
14.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 22 ft.
	Frank Sundstrom.....	Cygnat Yacht Club.....	Log with wire cable 23 ft. long.
19.	Frank Sundstrom.....	Cygnat Yacht Club.....	Log 29 ft.
Aug. 1.	Martin McKay.....	Cygnat Yacht Club.....	Log 33 ft.
3.	Frank Sundstrom.....	Cygnat Yacht Club.....	2 Logs 33 ft.
7.	Captain Gennerich.....	Cygnat Yacht Club.....	1 log 12 ft. and 8 spike
10.	F. Sundstrom.....	Cygnat Yacht Club.....	Log 22 ft. and 8 spikes
14.	Surfman McGorigel.....	Cygnat Yacht Club.....	Log 27 ft.
	Geo. Link.....		
18.	J. Schmidt.....	Cygnat Yacht Club.....	Log 12 x 12 ft.
	Lieutenant Ryan.....		

FIRES EXTINGUISHED

CYGNET YACHT CLUB

Date 1918	Member	Place	Fire extinguished
Apr. 19.	Captain Gennerich.....	Cygnat Yacht Club.....	86th St. Pier
May 8.	Frank Sundstrom.....	Cygnat Yacht Club.....	83d St. water front
	McKay.....		
	Drummond.....		

PROPERTY RETURNED**CYGNET YACHT CLUB**

Date	Member	Place	Property
June 7.	Captain Gennerich.....	Cygnet Yacht Club.....	N. Y. City park benches
	Lieutenant Ryan.....		
	Surfman Shults.....		
	Surfman McKay.....		
Sept. 21.	Surfman J. Schmidt.....	Cygnet Yacht Club.....	Park bench
	Surfman James McKay.....		

FIRST AID**RIVERDALE**

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	4. J. Sims.....	Riverdale.....	F. Gustavuson
	J. Sims.....	Riverdale.....	F. Jones
	14. J. Sims.....	Riverdale.....	W. Bennett
	J. Sims.....	Riverdale.....	Mrs. Walter Rice
	20. J. Sims.....	Riverdale.....	W. Bryson
	J. Sims.....	Riverdale.....	F. Schuab
	22. J. Sims.....	Riverdale.....	H. Schwartz
	27. J. Sims.....	Riverdale.....	John Hall
	J. Sims.....	Riverdale.....	Louis Bosch
	28. J. Sims.....	Riverdale.....	Wm. Bryson
	J. Sims.....	Riverdale.....	Arthur Walsh
	J. Sims.....	Riverdale.....	Henry Art
	Aug. 2. J. Sims.....	Riverdale.....	J. O'Donnell
	J. Sims.....	Riverdale.....	John Sims
	J. Sims.....	Riverdale.....	W. Bryson
	3. J. Sims.....	Riverdale.....	G. Anderson
	J. Sims.....	Riverdale.....	F. Hickey
	J. Sims.....	Riverdale.....	W. Rolliston
	J. Sims.....	Riverdale.....	J. Hall
	4. J. Sims.....	Riverdale.....	W. Schall
	5. J. Sims.....	Riverdale.....	Frank Richards
	J. Sims.....	Riverdale.....	J. Andrews
	10. J. Sims.....	Riverdale.....	John Dixon
	J. Sims.....	Riverdale.....	John Gorman
	11. J. Sims.....	Riverdale.....	Ed Hill
	J. Sims.....	Riverdale.....	William Rolliston
	12. J. Sims.....	Riverdale.....	George Palmer
	13. J. Sims.....	Riverdale.....	John Finck
	17. J. Sims.....	Riverdale.....	Roy Williams
	J. Sims.....	Riverdale.....	Leonard Elliott
	19. J. Sims.....	Riverdale.....	Elmer Sims
	24. J. Sims.....	Riverdale.....	John Smith
	J. Sims.....	Riverdale.....	Joseph Brown
	25. J. Sims.....	Riverdale.....	George Parker
	J. Sims.....	Riverdale.....	A. McMahon
	31. J. Sims.....	Riverdale.....	J. Walsh
	J. Sims.....	Riverdale.....	George West
Sept. 1.	J. Sims.....	Riverdale.....	George Mackin

BOATS ASSISTED**RIVERDALE**

Date 1918	Member giving assistance	Place where	Boats assisted
July	4. J. Sims and crew.....	Riverdale.....	Motorboat "E-Z"
	21. J. Sims and crew.....	Riverdale.....	Motor boat "Dixie"
	J. Sims and crew.....	Riverdale.....	Motor boat "U. No Me"

Date 1918	Member giving assistance	Place where	Persons assisted
Aug.	6. J. Sims and crew.....	Riverdale.....	Motor boat " Ida "
	10. J. Sims and crew.....	Riverdale.....	Motor boat " U. No Me "
	17. J. Sims and crew.....	Riverdale.....	Motor boat " Swiftly "
	J. Sims and crew.....	Riverdale.....	Motor boat " Eva "
	18. J. Sims and crew.....	Riverdale.....	Upset canoe and two persons
	J. Sims and crew.....	Riverdale.....	Motor boat " Dorothy
	24. J. Sims and crew.....	Riverdale.....	Motor boat " Elsie "
	25. J. Sims and crew.....	Riverdale.....	Motor boat " Mona "
	31. J. Sims and crew.....	Riverdale.....	Motor boat " Iris "
Sept.	1. J. Sims and crew.....	Riverdale.....	Motor boat " Ben "
	2. J. Sims and crew.....	Riverdale.....	Motor boat " L. & J "

FIRST AID

RIVERSIDE STATION

Date 1918	Members rendering " first aid "	Place where	Persons assisted
April	19. O. Valfer.....	Riverside.....	Harry Wilson
	Harry Weiss.....		
May	5. J. A. Weiss.....	Riverside.....	James Davids
	P. Wilbur.....		
	12. P. Wilbur.....	Riverside.....	Thos. Morrissey
	P. Healy.....		
	19. G. De Mott.....	Riverside.....	Thos. Martin
	26. J. A. Weiss & Wm. Corcoran...		
June	2. G. De Mott.....	Riverside.....	John Sigmis
	9. T. Rood & P. Healy.....		
	13. Surfman Gardine.....	Riverside.....	Frank Giamo
	16. Surfman Giebel and P. Healy...		
	J. Flood and Wm. Corcoran...	Riverside.....	Arthur Lewis
	30. Thos. O'Rourke.....		
July	4. P. Wilbur and J. Flood.....	Riverside.....	William Nelson
	6. Su Iman Gardine.....		
	9. P. Wilbur and J. Flood.....	Riverside.....	Wm. Harrigan
	14. P. Healy and J. Flood.....		
	16. P. Wilbur.....	Riverside.....	James Dunn
	19. J. Weiss, P. Wilbur.....		
	21. T. O'Rourke, Sr., Lieut. Rood..	Riverside.....	Morris Cohen
	22. M. Arroll and L. Colton.....		
	23. P. Wilbur.....	Riverside.....	John Cahill
	25. P. Wilbur and Colton.....		
	27. M. Arroll.....	Riverside.....	Thos. Dumphy
	28. L. Colton.....		
Aug.	2. P. Mahn.....	Riverside.....	James Donahue
	4. P. Healy.....		
	J. Weiss.....	Riverside.....	Russell Albertson
	5. J. Weiss, P. Wilbur.....		
	6. P. Mahn, L. Colton.....	Riverside.....	Frank Mandello
	11. P. Wilbur.....		
	14. P. Mahn and M. Arroll.....	Riverside.....	John Daly
	15. J. Weiss.....		
	17. P. Wilbur.....	Riverside.....	Wilbur Parker
	18. Wm. Corcoran.....		
	22. Thos. Rood.....	Riverside.....	Thos. Ward
	24. J. Weiss.....		
	25. Wm. Corcoran.....	Riverside.....	Rob Tuello
		Riverside.....	Wm. Lang
		Riverside.....	John Ryan
		Riverside.....	Joseph Strobach
		Riverside.....	James Tighe
		Riverside.....	G. Schillinger
		Riverside.....	James Clark
		Riverside.....	William Duggan
		Riverside.....	Geo. Thompson
		Riverside.....	James Caine
		Riverside.....	John Cappello
		Riverside.....	Joseph Boland
		Riverside.....	Joseph Simons
		Riverside.....	Louis Diamond
		Riverside.....	John Fennell
		Riverside.....	Geo. Maloney

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	28. P. Wilbur.....	Riverside.....	John Keefe
	31. P. Wilbur.....	Riverside.....	James Meade
Sept.	1. M. Arroll.....	Riverside.....	Wm. Leroy
	2. P. Wilbur.....	Riverside.....	Wm. Healy
	4. Surfman Graham.....	Riverside.....	Tony Roscio.
	5. D. Gardine.....	Riverside.....	Wm. Cross
	6. P. Mahn.....	Riverside.....	Raymond King
	12. P. Mahn.....	Riverside.....	Albert Irving
	13. Leo Giebel.....	Riverside.....	James Galone
	16. P. Mahn.....	Riverside.....	John Maranto
	19. L. Colton.....	Riverside.....	Wm. Shino
	21. P. Healy.....	Riverside.....	Geo. Blake
	22. P. Wilbur.....	Riverside.....	Geo. Duffy
	23. M. Arroll.....	Riverside.....	Thos. Malby
	Wm. Corcoran.....	Riverside.....	Geo. McCune
Oct.	3. Wm. Corcoran.....	Riverside.....	Daniel O'Leary

BOATS ASSISTED

RIVERSIDE

Date 1918	Member giving assistance	Place where	Boats rescued
May	26. J. Weiss.....	Riverside.....	Launch "Dolphin"
Aug.	12. P. Mahn, L. Colton, P. Wilbur.....	Riverside.....	Motor boat "Ruffles"
	14. W. Graham, M. Arroll, P. Wilbur.....	Riverside.....	Motor boat "Mary T"
	17. P. Mahn, L. Colton, M. Arroll, P. Wilbur.....	Riverside.....	Motor boat "Anna A"
	21. P. Mahn, L. Colton, M. Arroll, P. Wilbur.....	Riverside.....	Motor boat
Sept.	2. M. Arroll, P. Wilbur, W. Cor- coran.....	Riverside.....	Motor boat

WRECKAGE

RIVERSIDE STATION

Date 1918	Member giving assistance	Place where	Wreckage removed
April	14. Surfman Maas.....	Riverside.....	Soaked log
May	19. Surfman Maas, J. Weiss, Wilbur, Corcoran.....	Riverside.....	Raft 25 x 50
	19. J. Wilbur, Healey, De Mott, Corcoran.....	Riverside.....	Raft 15 x 25
June	2. T. Rood, P. Healy, Wilbur, Flood	Riverside.....	Soaked log
July	4. J. Weiss, Graham, Maas, O'Rourke.....	Riverside.....	Raft 15 x 25
	7. J. Weiss, Wilbur.....	Riverside.....	Soaked log
	11. J. Flood, Wilbur.....	Riverside.....	Soaked log
	14. H. Weiss, Maas, G. Flood.....	Riverside.....	Soaked log
	21. W. Corcoran, Wilbur.....	Riverside.....	9 x 25 log
	W. Corcoran, P. Mahn and Surfman Maas.....	Riverside.....	15 x 25 raft
	24. B. Maas, L. Colton.....	Riverside.....	8 x 15 x 18 ft. door
	28. B. Maas, Graham, Healy, Arroll.	Riverside.....	Log
Aug.	3. J. Flood, Wilbur.....	Riverside.....	Raft 15 x 25
	4. Surfman Arroll, Wilbur.....	Riverside.....	Log, 15 ft.
	5. P. Mahn.....	Riverside.....	Soaked log
	6. G. Flood, M. Arroll.....	Riverside.....	Raft 10 x 15
	7. P. Mahn.....	Riverside.....	Log, 25 ft.
	11. P. Healy, B. Maas.....	Riverside.....	Raft 10 x 25 ft.
	12. M. Arroll, L. Colton.....	Riverside.....	Soaked log

Date 1918	Member giving assistance	Place where	Persons assisted
	13. P. Mahn.....	Riverside.....	Raft, 10 x 15 ft.
	P. Wilbur.....	Riverside.....	Soaked log 15 ft.
	14. M. Arroll, P. Wilbur.....	Riverside.....	Soaked log 25 ft.
	19. P. Wilbur, M. Arroll.....	Riverside.....	Log 10 ft.
	20. P. Mahn.....	Riverside.....	Raft, 10 x 20 ft.
	22. J. Weiss, P. Wilbur.....	Riverside.....	Soaked log 15 ft.
	23. P. Mahn.....	Riverside.....	Soaked log 15 ft.
	L. Colton, P. Wilbur.....	Riverside.....	Raft 15 x 25 ft.
	24. L. Colton.....	Riverside.....	Soaked log 15 ft.
	25. P. Healy, J. Flood, J. Weiss.....	Riverside.....	Raft 15 x 25 ft.
	P. Mahn.....	Riverside.....	Soaked log 15 ft.
	26. P. Mahn.....	Riverside.....	Soaked log 12 x 24 ft.
	27. L. Giebel.....	Riverside.....	Raft 10 x 18 ft.
	28. P. Mahn.....	Riverside.....	Soaked log 18 ft.
	31. P. Wilbur, P. Mahn.....	Riverside.....	Raft 15 x 25 ft.
Sept.	1. P. Mahn.....	Riverside.....	Log 10 ft.
	P. Mahn.....	Riverside.....	Soaked log 24 ft.
	3. P. Mahn.....	Riverside.....	Soaked log 15 ft.
	5. M. Arroll, P. Mahn.....	Riverside.....	Soaked log 20 ft.
	7. P. Mahn, J. Weiss.....	Riverside.....	Raft 15 x 25 ft.
	9. M. Arroll, L. Colton.....	Riverside.....	Raft 15 x 20 ft.
	10. P. Mahn.....	Riverside.....	Log 15 ft.
	11. M. Arroll.....	Riverside.....	Log 30 ft.
	14. P. Mahn.....	Riverside.....	Log 15 ft.
	15. M. Arroll, P. Wilbur.....	Riverside.....	Log 18 ft.
	M. Arroll, P. Wilbur, P. Healy, L. Colton.....	Riverside.....	Raft 25 x 30 ft.
	J. Flood, P. Mahn.....	Riverside.....	Log 15 ft.
	17. M. Arroll, P. Mahn, Wm. Cor- coran.....	Riverside.....	Raft 15 x 25 ft.
	M. Arroll, P. Mahn, Wm. Cor- coran.....	Riverside.....	Soaked log 15 ft.
	18. P. Mahn.....	Riverside.....	Soaked log.
	19. M. Arroll.....	Riverside.....	Log 10 ft.
	20. H. Giebel.....	Riverside.....	Soaked log
	23. P. Mahn.....	Riverside.....	Soaked log 20 ft.
	24. P. Healy.....	Riverside.....	Log 15 ft.
	P. Mahn.....	Riverside.....	Soaked log 10 ft.
	25. M. Arroll.....	Riverside.....	Log 20 ft.
	26. P. Mahn, M. Arroll, Wm. Cor- coran.....	Riverside.....	Raft 10 x 15 ft.
	27. P. Mahn.....	Riverside.....	Log 15 ft.
	28. P. Healy.....	Riverside.....	Log 25 ft.
	29. P. Healy, M. Arroll, P. Wilbur, Wm. Corcoran.....	Riverside.....	Raft 15 x 25 ft.
	30. P. Mahn.....	Riverside.....	Log 18 ft.
Oct.	2. M. Arroll.....	Riverside.....	Raft 15 x 30 ft.
	9. P. Mahn.....	Riverside.....	Log 20 ft.
	13. H. Giebel & Zemock.....	Riverside.....	Log 18 ft.

BOROUGH OF BROOKLYN

FIRST AID

DREAMLAND

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	2. H. Moeller.....	Dreamland.....	Samuel Block
	W. J. Hotte.....	Dreamland.....	Wm. Solodoff
	M. Farrell.....	Dreamland.....	I. Ross

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	2. M. Farrell.....	Dreamland.....	Joseph Morans
	M. Farrell.....	Dreamland.....	Morris Nathanson
	M. Farrell.....	Dreamland.....	Harry Gersteler
	M. Farrell.....	Dreamland.....	Ida Finklestein
	Geo. Gerhardt.....	Dreamland.....	Albert Alpert
	3. W. J. Hotte.....	Dreamland.....	L. Rosenthal
	J. Medero.....	Dreamland.....	Bert Dottlev
	7. A. S. Newmark.....	Dreamland.....	Harry Weinstein
	9. W. J. Hotte.....	Dreamland.....	I. Boyd
	F. M. Farrell.....	Dreamland.....	Irving Kats
	F. M. Farrell.....	Dreamland.....	William Davis
	Ed. Howe.....	Dreamland.....	Jacob Barel
	Ed. Howe.....	Dreamland.....	Chas. Dulberg
	W. Christopherson.....	Dreamland.....	Mr. Billakye
	W. Christopherson.....	Dreamland.....	Ike Kristol
	W. J. Hotte.....	Dreamland.....	J. Tiffany
	W. J. Hotte.....	Dreamland.....	M. Kries
	W. J. Hotte.....	Dreamland.....	Sam Macino
	15. J. Medero.....	Dreamland.....	Jennie Woogin
	Jr. Lieut. Miles.....	Dreamland.....	S. Rosen
	16. H. Moeller.....	Dreamland.....	Isidor Bernstein
	S. Herklots.....	Dreamland.....	Isidore Hattman
	F. M. Farrell.....	Dreamland.....	Jack Aser
	W. J. Hotte.....	Dreamland.....	Louis Frucklman
	M. Farrell.....	Dreamland.....	I. Schrieber
	W. J. Hotte.....	Dreamland.....	M. A. Bramowitz
	W. J. Hotte.....	Dreamland.....	John Sternberg
	W. J. Hotte.....	Dreamland.....	Isidore Behabruwarte
	23. F. M. Farrell.....	Dreamland.....	Abraham Polishiel
	W. J. Hotte.....	Dreamland.....	S. A. Whitenack
	26. Jr. Lieut. Miles.....	Dreamland.....	John Johnson
	Jos. Merz.....	Dreamland.....	Nathan Erseuten
	30. Geo. Gerhardt.....	Dreamland.....	B. Lichman
	F. M. Farrell.....	Dreamland.....	S. Helfman
	Ed. Howe.....	Dreamland.....	H. Barrett
	F. M. Farrell.....	Dreamland.....	A. Glucher
	C. Mackin.....	Dreamland.....	Dave Trudman
	F. M. Farrell.....	Dreamland.....	Geo. Wasserman
	F. M. Farrell.....	Dreamland.....	Sarah Ferber
	F. M. Farrell.....	Dreamland.....	Harry Miller
	Geo. Gerhardt.....	Dreamland.....	Wm. Baker
	F. M. Farrell.....	Dreamland.....	Miss Leonard
	F. M. Farrell.....	Dreamland.....	Solomon Gardon
	F. M. Farrell.....	Dreamland.....	Max Richman
	F. M. Farrell.....	Dreamland.....	Barney Lichtman
	F. M. Farrell.....	Dreamland.....	Irving Krieder
July	4. F. M. Farrell.....	Dreamland.....	Sam Bitoff
	F. M. Farrell.....	Dreamland.....	Edna Meschkow
	F. M. Farrell.....	Dreamland.....	Louis Fox
	W. J. Hotte.....	Dreamland.....	Harry Herman
	Surfman Herklots.....	Dreamland.....	S. Korasch
	Geo. Gerhardt.....	Dreamland.....	H. Friemano
	W. J. Hotte.....	Dreamland.....	Mary Gebr
	Geo. Gerhardt.....	Dreamland.....	R. Birnbaum
	Geo. Gerhardt.....	Dreamland.....	N. Slukaky
	Geo. Gerhardt.....	Dreamland.....	George Neider
	Geo. Gerhardt.....	Dreamland.....	G. Kirschenbaum
	Geo. Gerhardt.....	Dreamland.....	Wm. Michael
	Jr. Lieut. Miles.....	Dreamland.....	G. Schwartz
	Jr. Lieut. Miles.....	Dreamland.....	Harry Kohrman

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	4. F. M. Farrell	Dreamland	I. Glukman
	F. M. Farrell	Dreamland	R. Culbracky
	F. M. Farrell	Dreamland	Manuel Stanoff
	F. M. Farrell	Dreamland	Isidore Pertstein
6.	Geo. Gerhardt	Dreamland	Maurice Korland
	Geo. Gerhardt	Dreamland	W. Eathum
7.	H. Moeller	Dreamland	Ben Shapiro
	Geo. Gerhardt	Dreamland	H. Herschenhaus
	Geo. Gerhardt	Dreamland	Philip Fox
	S. Newmark	Dreamland	Julius Zimmerman
	F. M. Farrell	Dreamland	A. Rothstein
	F. M. Farrell	Dreamland	Joseph Baer
	F. M. Farrell	Dreamland	J. Licht
	A. Newmark	Dreamland	Abe Rovinsky
	H. Moeller	Dreamland	Max Rosen
	A. Newmark	Dreamland	Anna Shartisis
	A. Newmark	Dreamland	John Schavo
	A. Newmark	Dreamland	Sol Diamond
	A. Newmark	Dreamland	Wm. Sterling
	A. Newmark	Dreamland	Isaac Freund
	A. Newmark	Dreamland	Wm. Austance
	A. Newmark	Dreamland	W. Nedevello
	A. Newmark	Dreamland	Ben Siakind
	A. Newmark	Dreamland	A. Kats
	A. Newmark	Dreamland	Harry Benmore
	A. Newmark	Dreamland	E. Broidy
	A. Newmark	Dreamland	Mrs. R. Fisher
	A. Newmark	Dreamland	Samuel Keller
	A. Newmark	Dreamland	Isidore Black
	A. Newmark	Dreamland	Herman Bobrov
	Geo. Gerhardt	Dreamland	Harry Weinstein
	Jr. Lieut. Miles	Dreamland	Rose Mackofsky
8.	Peter Mallon	Dreamland	Gertrude Fallon
	Jr. Lieut. Miles	Dreamland	Marion Freeze
10.	Geo. Miles	Dreamland	John Keahon
	Geo. Gerhardt	Dreamland	M. Meyers
	Geo. Gerhardt	Dreamland	B. Rubin
	Geo. Gerhardt	Dreamland	Nichols Turk
	Geo. Gerhardt	Dreamland	Mabel Phillips
	Geo. Gerhardt	Dreamland	Philip Dummond
12.	Geo. Gerhardt	Dreamland	Mary Schliwits
	A. Newmark	Dreamland	John Smith
13.	A. Newmark	Dreamland	Dane Levine
	A. Newmark	Dreamland	Mrs. Farmica
	A. Newmark	Dreamland	K. Gandman
	Surfman Herlots	Dreamland	Fay Dennin
	A. Newmark	Dreamland	Harry Roseman
14.	A. Newmark	Dreamland	Richard Kahn
	A. Newmark	Dreamland	Mack Wolf
	A. Newmark	Dreamland	Emil Roth
	A. Newmark	Dreamland	Mrs. Schneider
	A. Newmark	Dreamland	Max Iarsels
	A. Newmark	Dreamland	Nat Dorn
	A. Newmark	Dreamland	David Wiener
	A. Newmark	Dreamland	Anna Roth
	A. Newmark	Dreamland	Sam Roth
	A. Newmark	Dreamland	Isidore Podulski
	A. Newmark	Dreamland	Esther Kats
	A. Newmark	Dreamland	Bernard Rubinn
	A. Newmark	Dreamland	Louis Alexander

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 14.	A. Newmark.....	Dreamland.....	Nathan Aronso
	A. Newmark.....	Dreamland.....	L. Levy
	A. Newmark.....	Dreamland.....	Frieda Levine
	A. Newmark.....	Dreamland.....	Jack Hellman
	A. Newmark.....	Dreamland.....	Dane Nelvansky
	A. Newmark.....	Dreamland.....	Philip Elbaum
	A. Newmark.....	Dreamland.....	Harry Mednick
	A. Newmark.....	Dreamland.....	Abe Gropin
	A. Newmark.....	Dreamland.....	H. Schwartz
	A. Newmark.....	Dreamland.....	J. Fishman
	A. Newmark.....	Dreamland.....	V. Schwartz
	A. Newmark.....	Dreamland.....	Sam Saloff
	A. Newmark.....	Dreamland.....	Louis Rosen
	A. Newmark.....	Dreamland.....	A. Melser
	A. Newmark.....	Dreamland.....	A. Lieber
	A. Newmark.....	Dreamland.....	Sol Davis
	A. Newmark.....	Dreamland.....	Isidore Tachimotits
	A. Newmark.....	Dreamland.....	Alfred Centaro
	Geo. Gerhardt.....	Dreamland.....	W. Sobsey
	W. J. Hotte.....	Dreamland.....	W. Bernstein
	W. J. Hotte.....	Dreamland.....	John Cassidy
	Jr. Lieut. Miles.....	Dreamland.....	James McInerney
	Jr. Lieut. Miles.....	Dreamland.....	Philip Stander
	Jr. Lieut. Miles.....	Dreamland.....	Will Sumnoffsky
	A. Newmark.....	Dreamland.....	Mac Massus
15.	Jr. Lieut. Miles.....	Dreamland.....	Basland Sevin
	Jr. Lieut. Miles.....	Dreamland.....	Ralph Kimberg
	Jr. Lieut. Miles.....	Dreamland.....	W. Allen
16.	Ed. Howe.....	Dreamland.....	Edward O'Rourke
	Ed. Howe.....	Dreamland.....	Jane Easman
	A. Newmark.....	Dreamland.....	Paul Snell
	A. Newmark.....	Dreamland.....	Ida Goldman
	A. Newmark.....	Dreamland.....	Ray Caplan
18.	F. M. Farrell.....	Dreamland.....	Josephine Ruts
	F. M. Farrell.....	Dreamland.....	Robert Manoley
	A. Newmark.....	Dreamland.....	Aron Retno
	F. M. Farrell.....	Dreamland.....	Albert Schwartz
	F. M. Farrell.....	Dreamland.....	Leo Dreyer
19.	F. M. Farrell.....	Dreamland.....	I. S. Finkel
	F. M. Farrell.....	Dreamland.....	Morris Felix
	A. Newmark.....	Dreamland.....	Ellen Rooney
	A. Newmark.....	Dreamland.....	Martin Tully
	A. Newmark.....	Dreamland.....	John Keehon
	A. Newmark.....	Dreamland.....	Samuel Rosensimon
	A. Newmark.....	Dreamland.....	A. Slimo
20.	Geo. Gerhardt.....	Dreamland.....	M. Cohen
	Geo. Gerhardt.....	Dreamland.....	Morris Lundberg
	Geo. Gerhardt.....	Dreamland.....	H. Jaffe
	H. Moeller.....	Dreamland.....	Bernard Jaffe
	Jr. Lieut. Miles.....	Dreamland.....	Louis Berger
	Jr. Lieut. Miles.....	Dreamland.....	H. Levin
	A. Newmark.....	Dreamland.....	Jack Schumer
	A. Newmark.....	Dreamland.....	Sophie Harowits
	Jr. Lieut. Miles.....	Dreamland.....	Hyman Dym
	A. Newmark.....	Dreamland.....	Max Froth
	A. Newmark.....	Dreamland.....	J. Ciagn
	A. Newmark.....	Dreamland.....	Lindmark, F.
	A. Newmark.....	Dreamland.....	B. Berkewits
	Wm. Christopherson.....	Dreamland.....	F. Goldberg
	A. Newmark.....	Dreamland.....	Gilda Capuchin

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 20.	A. Newmark.....	Dreamland.....	Sadie Wienraff
	A. Newmark.....	Dreamland.....	Louis Breen
	A. Newmark.....	Dreamland.....	H. Parson
	A. Newmark.....	Dreamland.....	Max Harbor
	A. Newmark.....	Dreamland.....	Gukdie Steinbaum
	A. Newmark.....	Dreamland.....	Isidore Rasman
	A. Newmark.....	Dreamland.....	Harry Silver
	A. Newmark.....	Dreamland.....	Ida Grodner
	A. Newmark.....	Dreamland.....	M. Cuperman
	A. Newmark.....	Dreamland.....	Ida Wasserman
	A. Newmark.....	Dreamland.....	Ros Mofts
	A. Newmark.....	Dreamland.....	I. Benbanzski
	A. Newmark.....	Dreamland.....	Ethel Kaplan
	A. Newmark.....	Dreamland.....	Alice Carmen
	S. Herklots.....	Dreamland.....	Joe Baumann
	F. M. Farrell.....	Dreamland.....	Joe Rudin
	F. M. Farrell.....	Dreamland.....	I. Zelin
	F. M. Farrell.....	Dreamland.....	J. Glassman
	F. M. Farrell.....	Dreamland.....	Moe Berganfeld
21.	F. M. Farrell.....	Dreamland.....	Louis Goodman
	W. J. Hotte.....	Dreamland.....	W. Greenstein
	W. J. Hotte.....	Dreamland.....	W. Belblakofsky
	A. Newmark.....	Dreamland.....	L. Gavurin
	A. Newmark.....	Dreamland.....	B. Jaffe
	F. M. Farrell.....	Dreamland.....	Anthony Curren
	A. Newmark.....	Dreamland.....	Mark Schwerty
	A. Newmark.....	Dreamland.....	Alex Greenwald
	A. Newmark.....	Dreamland.....	Phillip Hoffman
	A. Newmark.....	Dreamland.....	Abe Schaefer
	A. Newmark.....	Dreamland.....	Rosaline Mofts
	A. Newmark.....	Dreamland.....	David Kadiash
	A. Newmark.....	Dreamland.....	Harry Newman
	A. Newmark.....	Dreamland.....	Sidney Kopp
	A. Newmark.....	Dreamland.....	Sam Midstein
	A. Newmark.....	Dreamland.....	Nathan Graff
	F. M. Farrell.....	Dreamland.....	Morris Lifshus
	F. M. Farrell.....	Dreamland.....	Benj. Gitter
	F. M. Farrell.....	Dreamland.....	Sadie Gold
	F. M. Farrell.....	Dreamland.....	Louis Caplan
	F. M. Farrell.....	Dreamland.....	Morris Kamp
	F. M. Farrell.....	Dreamland.....	H. Goldberg
	F. M. Farrell.....	Dreamland.....	Harry Hauptman
	F. M. Farrell.....	Dreamland.....	Mr. Eekris
	F. M. Farrell.....	Dreamland.....	Al. Davidson
	Vice Com. Miller.....	Dreamland.....	N. Perets
	Wm. Christophersen.....	Dreamland.....	C. Sherimes
	Jr. Lieut. Miles.....	Dreamland.....	A. Morris Cohen
	Wm. Christophersen.....	Dreamland.....	Jack Kats
	Wm. Christophersen.....	Dreamland.....	L. Sokol
	Wm. Christophersen.....	Dreamland.....	H. Albral
	Wm. Christophersen.....	Dreamland.....	Bennie Ziekel
	Wm. Christophersen.....	Dreamland.....	M. Daveds
	Wm. Christophersen.....	Dreamland.....	B. Grushan
	Wm. Christophersen.....	Dreamland.....	I. Shevtis
	Wm. Christophersen.....	Dreamland.....	S. Schneider
	Wm. Christophersen.....	Dreamland.....	M. Meyer
	Wm. Christophersen.....	Dreamland.....	B. Sella
	Wm. Christophersen.....	Dreamland.....	M. Friedman
	Wm. Christophersen.....	Dreamland.....	V. Jacolina
	Wm. Christophersen.....	Dreamland.....	L. Zalkin

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 21.	Wm. Christophersen.....	Dreamland.....	S. Lebiah
	Wm. Christophersen.....	Dreamland.....	L. Bloom
	Wm. Christophersen.....	Dreamland.....	A. Bernstein
	A. Newmark.....	Dreamland.....	Morris Dorshuck
	A. Newmark.....	Dreamland.....	P. Fulder
	A. Newmark.....	Dreamland.....	Sam Goldstein
	A. Newmark.....	Dreamland.....	Nellie Igelson
	A. Newmark.....	Dreamland.....	Max Ackerman
	A. Newmark.....	Dreamland.....	Sara Cohen
	A. Newmark.....	Dreamland.....	E. Kalnenowits
	A. Newmark.....	Dreamland.....	H. Yagodnick
	A. Newmark.....	Dreamland.....	M. Piovno
	A. Newmark.....	Dreamland.....	B. Haenfeld
	A. Newmark.....	Dreamland.....	Lina Sandler
	A. Newmark.....	Dreamland.....	S. Mascasints
	A. Newmark.....	Dreamland.....	David Fishman
	A. Newmark.....	Dreamland.....	P. Palamp
	A. Newmark.....	Dreamland.....	Lillian Kats
	A. Newmark.....	Dreamland.....	B. Hrultaman
	A. Newmark.....	Dreamland.....	L. Dreyer
	A. Newmark.....	Dreamland.....	B. Black
	A. Newmark.....	Dreamland.....	Lawrence Schenihals
	A. Newmark.....	Dreamland.....	Israel Rosenhaupt
	A. Newmark.....	Dreamland.....	Benny Cohen
	A. Newmark.....	Dreamland.....	Morris Dats
	A. Newmark.....	Dreamland.....	Paul Preston
	A. Newmark.....	Dreamland.....	L. Moffitt
	A. Newmark.....	Dreamland.....	Ida Cohn
	A. Newmark.....	Dreamland.....	Sadie Smith
	A. Newmark.....	Dreamland.....	Sol Kaslow
	A. Newmark.....	Dreamland.....	Becky Beckman
	A. Newmark.....	Dreamland.....	J. Luirn
	A. Newmark.....	Dreamland.....	H. Herman
	A. Newmark.....	Dreamland.....	Max Brooks
	A. Newmark.....	Dreamland.....	Eric Korten
	Jr. Lieut. Miles.....	Dreamland.....	Louis Ritter
	Jr. Lieut. Miles.....	Dreamland.....	Harry Hivas
	Jr. Lieut. Miles.....	Dreamland.....	Jacks Stabin
	Jr. Lieut. Miles.....	Dreamland.....	Mildred Gallagow
	Jr. Lieut. Miles.....	Dreamland.....	Charles Goldston
	Jr. Lieut. Miles.....	Dreamland.....	Herman Hofman
	Commodore Moeller.....	Dreamland.....	H. Shmuger
	Commodore Moeller.....	Dreamland.....	John Neckwitz
	Commodore Moeller.....	Dreamland.....	I. Rubloff
	Commodore Moeller.....	Dreamland.....	Max Scott
	Surfman Gross.....	Dreamland.....	Isaac Goodon
	F. M. Farrell.....	Dreamland.....	Louis Danbar
	F. M. Farrell.....	Dreamland.....	Mildred Levy
	F. M. Farrell.....	Dreamland.....	Morris Goodman
	F. M. Farrell.....	Dreamland.....	Betsy Macrofky
22.	Geo. Gerhardt.....	Dreamland.....	B. Stepper
	Geo. Gerhardt.....	Dreamland.....	J. Glome
	Geo. Gerhardt.....	Dreamland.....	L. Marks
	Geo. Gerhardt.....	Dreamland.....	B. Dwoaken
	Geo. Gerhardt.....	Dreamland.....	Chas. Teller
	Geo. Gerhardt.....	Dreamland.....	M. Bannay
	Geo. Gerhardt.....	Dreamland.....	Edwin Sally
	Geo. Gerhardt.....	Dreamland.....	Barney Ponoff
	Geo. Gerhardt.....	Dreamland.....	R. Kieberg
	A. Newmark.....	Dreamland.....	Harry Kats

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 21.	A. Newmark.....	Dreamland.....	Joe Bauml
	A. Newmark.....	Dreamland.....	Benj. German
	A. Newmark.....	Dreamland.....	Morris Laudke
	A. Newmark.....	Dreamland.....	Harry Eisenberg
	A. Newmark.....	Dreamland.....	Adolph Hanuck
	A. Newmark.....	Dreamland.....	S. Manolitchy
	A. Newmark.....	Dreamland.....	Moses Auerbach
	A. Newmark.....	Dreamland.....	Harry Kockman
	A. Newmark.....	Dreamland.....	Maurice Brenner
22.	A. Newmark.....	Dreamland.....	Helen Hudl
	A. Newmark.....	Dreamland.....	Arthur Hughes
	A. Newmark.....	Dreamland.....	John Knox
	A. Newmark.....	Dreamland.....	Fannie Lass
	A. Newmark.....	Dreamland.....	Carwin Barrett
	A. Newmark.....	Dreamland.....	Isidore Frass
	A. Newmark.....	Dreamland.....	Mildred Stevens
	A. Newmark.....	Dreamland.....	Esther Scarl
	A. Newmark.....	Dreamland.....	Adele Brath
	A. Newmark.....	Dreamland.....	Sylvia Goldman
	A. Newmark.....	Dreamland.....	Alice Robertson
	A. Newmark.....	Dreamland.....	J. Aeronson
	A. Newmark.....	Dreamland.....	Ida Glatin
	A. Newmark.....	Dreamland.....	Morris Chanin
	A. Newmark.....	Dreamland.....	Mayer Rosenspan
	A. Newmark.....	Dreamland.....	Sarah Bloom
24.	W. J. Hotte.....	Dreamland.....	B. Shereshefsky
	W. J. Hotte.....	Dreamland.....	Bessie Siebowits
	F. M. Farrell.....	Dreamland.....	Harry Levit
	F. M. Farrell.....	Dreamland.....	Lillian Silbert
	F. M. Farrell.....	Dreamland.....	Harry Ohlstein
	Geo. Gerhardt.....	Dreamland.....	B. Stein
	Geo. Gerhardt.....	Dreamland.....	Jos. Schwoor
	Geo. Gerhardt.....	Dreamland.....	N. Wasserstein
	A. Newmark.....	Dreamland.....	B. Fletman
	A. Newmark.....	Dreamland.....	Celia Glass
	A. Newmark.....	Dreamland.....	Atraham Rosen
	A. Newmark.....	Dreamland.....	Julia Brueyanky
	A. Newmark.....	Dreamland.....	Geo. Lenne
	A. Newmark.....	Dreamland.....	Thomas Basco
	A. Newmark.....	Dreamland.....	Martin Thomas
	A. Newmark.....	Dreamland.....	Cora Barnstein
	A. Newmark.....	Dreamland.....	Jackie Nathony
	A. Newmark.....	Dreamland.....	Josie Dats
	A. Newmark.....	Dreamland.....	John Higgins
	A. Newmark.....	Dreamland.....	Sidney Seaman
	A. Newmark.....	Dreamland.....	Sarah Tubor
	W. J. Hotte.....	Dreamland.....	Sam Zucker
	W. J. Hotte.....	Dreamland.....	Emanuel Bernstein
	W. J. Hotte.....	Dreamland.....	Harry Silverstein
	W. J. Hotte.....	Dreamland.....	M. Epstein
	W. J. Hotte.....	Dreamland.....	S. Kaufman
	W. J. Hotte.....	Dreamland.....	Jos. Kennedy
	Geo. Gerhardt.....	Dreamland.....	F. Hommer
	Geo. Gerhardt.....	Dreamland.....	M. Elmer
	Surfman Herklots.....	Dreamland.....	Imy Kolberg
	Surfman Herklots.....	Dreamland.....	Mr. Goldgrey
	Surfman Herklots.....	Dreamland.....	Roee Fleahner
25.	Geo. Gerhardt.....	Dreamland.....	Mrs. Wexler
	Geo. Gerhardt.....	Dreamland.....	A. Grossman
26.	Geo. Gerhardt.....	Dreamland.....	J. Storngin

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 26.	Geo. Gerhardt	Dreamland	N. Tokmon
	Geo. Gerhardt	Dreamland	Mr. Masol
	Geo. Gerhardt	Dreamland	A. Glick
	Geo. Gerhardt	Dreamland	M. Shapiro
	Geo. Gerhardt	Dreamland	Edwin Taboy
	Geo. Gerhardt	Dreamland	M. Goldman
	A. Newmark	Dreamland	Louis Goldstein
	A. Newmark	Dreamland	Abraham Udalamitah
	A. Newmark	Dreamland	Arthur Schwab
	A. Newmark	Dreamland	August Zolotorofe
	27. A. Newmark	Dreamland	Harry Werner
	A. Newmark	Dreamland	Abraham Eisenberg
	A. Newmark	Dreamland	Sam Tauscher
	A. Newmark	Dreamland	Isidore Anbinder
	A. Newmark	Dreamland	Robert Engelstein
	A. Newmark	Dreamland	Eether Ferber
	A. Newmark	Dreamland	Herman Borosh
	A. Newmark	Dreamland	George Solbet
	A. Newmark	Dreamland	F. Kats
	A. Newmark	Dreamland	P. Fulder
	A. Newmark	Dreamland	Abe Zimmerman
	A. Newmark	Dreamland	Max Mauser
	A. Newmark	Dreamland	Jack Nadle
	A. Newmark	Dreamland	H. Mandkoff
	Surfman Herklots	Dreamland	H. Putterman
	Surfman Herklots	Dreamland	J. F. Brown
	Surfman Herklots	Dreamland	Israel Greenberg
	Surfman Herklots	Dreamland	Frank Diamond
	H. Moeller	Dreamland	Charles Wolinaky
	Surfman Herklots	Dreamland	Philip Arkus
	Surfman Herklots	Dreamland	Victor Zimer
	Surfman Herklots	Dreamland	Edna Neschkow
	Jr. Lieut. Miles	Dreamland	J. Rothstone
	Jr. Lieut. Miles	Dreamland	Morris Kats
	Jr. Lieut. Miles	Dreamland	W. Goldstein
	Jr. Lieut. Miles	Dreamland	Robert Pirin
	H. Moeller	Dreamland	Mollie Stearnshehein
	H. Moeller	Dreamland	I. Sopenkiff
	A. Newmark	Dreamland	Ruth Blumenthal
	A. Newmark	Dreamland	Jennie Rudin
	Wm. Christopherson	Dreamland	S. Greenberg
	Geo. Gerhardt	Dreamland	H. Bernard
	Geo. Gerhardt	Dreamland	S. Goldberg
	Geo. Gerhardt	Dreamland	A. Weiss
	W. J. Hotte	Dreamland	L. Stolowitz
	W. J. Hotte	Dreamland	A. J. Vetter
	W. J. Hotte	Dreamland	A. J. Velmon
	W. J. Hotte	Dreamland	Thomas White
	28. A. Newmark	Dreamland	Louis Hertsberg
	A. Newmark	Dreamland	Anna Sharr
	A. Newmark	Dreamland	Sam Kohn
	A. Newmark	Dreamland	Meyer Lazarus
	A. Newmark	Dreamland	Bernard Kahn
	A. Newmark	Dreamland	Jack Faasner
	A. Newmark	Dreamland	Jennie Wolf
	A. Newmark	Dreamland	Sam Misheloff
	A. Newmark	Dreamland	Harry Friedman
	A. Newmark	Dreamland	S. Frechick
	A. Newmark	Dreamland	Louis Kemprier
	A. Newmark	Dreamland	William Fagelson

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 28.	A. Newmark.....	Dreamland.....	Isidore Epstein
	A. Newmark.....	Dreamland.....	Joseph Ackerman
	A. Newmark.....	Dreamland.....	A. Kulhberg
	A. Newmark.....	Dreamland.....	S. Henkin
	A. Newmark.....	Dreamland.....	Irving Koeppl
	A. Newmark.....	Dreamland.....	John Smith
	A. Newmark.....	Dreamland.....	J. Schumsky
	A. Newmark.....	Dreamland.....	Abraham Wiener
	A. Newmark.....	Dreamland.....	Lillian Webster
	A. Newmark.....	Dreamland.....	H. Reichert
	A. Newmark.....	Dreamland.....	Michel Jacobs
	A. Newmark.....	Dreamland.....	Sarah Moskowitz
	A. Newmark.....	Dreamland.....	M. Errante
	A. Newmark.....	Dreamland.....	Sidney Cohn
	A. Newmark.....	Dreamland.....	Jas. Dixon
	A. Newmark.....	Dreamland.....	Andrew McKelvey
	A. Newmark.....	Dreamland.....	Francis Kearns
	A. Newmark.....	Dreamland.....	Bella Levine
	A. Newmark.....	Dreamland.....	S. Brucato
	S. Herklots.....	Dreamland.....	Minnie Basta
	S. Herklots.....	Dreamland.....	H. Bruckner
	S. Herklots.....	Dreamland.....	P. Finklestein
	S. Herklots.....	Dreamland.....	Lena Levine
	S. Herklots.....	Dreamland.....	Abrams Polishuch
	S. Herklots.....	Dreamland.....	L. Williams
	S. Herklots.....	Dreamland.....	H. Beilin
	S. Herklots.....	Dreamland.....	H. Fenit
	S. Herklots.....	Dreamland.....	Anna Silver
	W. J. Hotte.....	Dreamland.....	F. Deantoni
	W. J. Hotte.....	Dreamland.....	H. E. Peck
	W. J. Hotte.....	Dreamland.....	L. Schnider
	W. J. Hotte.....	Dreamland.....	Sam Schwartz
	W. J. Hotte.....	Dreamland.....	M. Mauger
	W. J. Hotte.....	Dreamland.....	T. Groff
	W. J. Hotte.....	Dreamland.....	Wm. Reisner
	W. J. Hotte.....	Dreamland.....	Maurice Tobin
	W. J. Hotte.....	Dreamland.....	J. Hirshorn
	W. J. Hotte.....	Dreamland.....	B. Wolf
	W. J. Hotte.....	Dreamland.....	B. Shipiro
	Geo. Gerhardt.....	Dreamland.....	E. Zwinn
	29. Captain Poggi.....	Dreamland.....	John Smith
	31. Captain Lord.....	Dreamland.....	Leo Draper
Aug.	2. A. Newmark.....	Dreamland.....	Yetta Kahn
	A. Newmark.....	Dreamland.....	Jacob Schneider
	3. A. Newmark.....	Dreamland.....	Benj. Newman
	A. Newmark.....	Dreamland.....	Isidore Sayewets
	A. Newmark.....	Dreamland.....	Julius Lasher
	A. Newmark.....	Dreamland.....	Morris Lachman
	A. Newmark.....	Dreamland.....	Isidore Roseman
	A. Newmark.....	Dreamland.....	Elizabeth Elkin
	S. Herklots.....	Dreamland.....	Hyman Dynn
	S. Herklots.....	Dreamland.....	Israel Kohn
	4. A. Newmark.....	Dreamland.....	Jack Levinaky
	A. Newmark.....	Dreamland.....	H. Lickteger
	A. Newmark.....	Dreamland.....	B. Kohn
	A. Newmark.....	Dreamland.....	Nathan Korawin
	A. Newmark.....	Dreamland.....	Chas. Aaron
	A. Newmark.....	Dreamland.....	Chas. Lurin
	A. Newmark.....	Dreamland.....	Sam Schroeber
	A. Newmark.....	Dreamland.....	Geo. Edelstein

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Ang.	4. A. Newmark.....	Dreamland.....	Bessie Drasber
	A. Newmark.....	Dreamland.....	Philip Goldman
	A. Newmark.....	Dreamland.....	Joe Sipel
	A. Newmark.....	Dreamland.....	Joseph Dezon
	W. J. Hotte.....	Dreamland.....	Sam Deutech
	W. J. Hotte.....	Dreamland.....	Max Kantol
	W. J. Hotte.....	Dreamland.....	Gasper Piazza
	W. J. Hotte.....	Dreamland.....	Sam Rudinsky
	4. H. Moeller.....	Dreamland.....	Harry Neyer
	H. Moeller.....	Dreamland.....	Isidore Rinbonwits
	C. Mackin.....	Dreamland.....	Louis Weiner
	A. Newmark.....	Dreamland.....	Isidore Kushner
	A. Newmark.....	Dreamland.....	Philipp Weiner
	F. M. Farrell.....	Dreamland.....	Lillian Pilataky
	F. M. Farrell.....	Dreamland.....	Abraham Ratiemer
	6. F. M. Farrell.....	Dreamland.....	Samuel Keiger
	F. M. Farrell.....	Dreamland.....	Daniel Polack
	7. F. M. Farrell.....	Dreamland.....	Iasy Kitebell
	F. M. Farrell.....	Dreamland.....	Harold Neiss
	F. M. Farrell.....	Dreamland.....	Sarah Altman
	F. M. Farrell.....	Dreamland.....	Sam Kilomsky
	F. M. Farrell.....	Dreamland.....	Herman Guenf
	F. M. Farrell.....	Dreamland.....	Betha Blumfield
	F. M. Farrell.....	Dreamland.....	David Hartenberg
	S. Herklots.....	Dreamland.....	S. Baron
	S. Herklots.....	Dreamland.....	A. Lipson
	8. S. Herklots.....	Dreamland.....	Max Bobinwits
	W. J. Hotte.....	Dreamland.....	Harry Kersch
	H. Moeller.....	Dreamland.....	J. Shore
	F. M. Farrell.....	Dreamland.....	Gussie Pessin
	F. M. Farrell.....	Dreamland.....	William Goldstein
	F. M. Farrell.....	Dreamland.....	Max McManus
	W. J. Hotte.....	Dreamland.....	H. Israel
	C. E. Earl.....	Dreamland.....	Sadie Kosky
	C. E. Earl.....	Dreamland.....	Siegfried Cohen
	C. E. Earl.....	Dreamland.....	Warren Gorback
	C. E. Earl.....	Dreamland.....	Sam Bender
	C. E. Earl.....	Dreamland.....	Sidney Wachtel
	C. E. Earl.....	Dreamland.....	Sarah Weissman
	C. E. Earl.....	Dreamland.....	Chas. Goldberg
	C. E. Earl.....	Dreamland.....	H. Ruben Marks
	C. E. Earl.....	Dreamland.....	E. Hoffman
	C. E. Earl.....	Dreamland.....	Harry Sellinger
	C. E. Earl.....	Dreamland.....	K. Idleberg
	C. Mackin.....	Dreamland.....	Philip Hellermen
	C. Mackin.....	Dreamland.....	Geo. Cohen
	C. Mackin.....	Dreamland.....	Bessie Beet
	C. Mackin.....	Dreamland.....	Harry Stein
	C. Mackin.....	Dreamland.....	Albert Hoads
	C. Mackin.....	Dreamland.....	Mr. Rosenberger
	C. Mackin.....	Dreamland.....	Sadie Spinner
	C. Mackin.....	Dreamland.....	Felix Levy
	C. Mackin.....	Dreamland.....	Lilly Gleason
	C. Mackin.....	Dreamland.....	Roe Lewis
	C. Mackin.....	Dreamland.....	G. B. Greenspan
	C. Mackin.....	Dreamland.....	Morris Sullivan
	C. Mackin.....	Dreamland.....	Sylvia Vinegar
	C. Mackin.....	Dreamland.....	Lillian Greenberg
	C. Mackin.....	Dreamland.....	Sam Lewis
	C. Mackin.....	Dreamland.....	Jacob Sayewits

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	C. Mackin.....	Dreamland.....	A. Hild
	C. Mackin.....	Dreamland.....	Frank Bortley
	C. Mackin.....	Dreamland.....	Ida Paskow
	C. Mackin.....	Dreamland.....	Samuel Pilpel
	C. Mackin.....	Dreamland.....	D. Timkin
	C. Mackin.....	Dreamland.....	Murray Nan
	C. Mackin.....	Dreamland.....	Joe Grubel
	C. Mackin.....	Dreamland.....	Gussy Berg
	C. Mackin.....	Dreamland.....	Arthur Gordon
	C. Mackin.....	Dreamland.....	Sarah Cohen
10.	A. Newmark.....	Dreamland.....	John Ladimas
	W. J. Hotte.....	Dreamland.....	Morris Abrams
11.	A. Newmark.....	Dreamland.....	Nathan Sacker
	E. Gross.....	Dreamland.....	Louis Popkin
8.	A. S. Newmark.....	Dreamland.....	Albert Gaal
17.	A. S. Newmark.....	Dreamland.....	Benny Marks
	W. O. Hotte.....	Dreamland.....	Jennie Freeman
18.	Wm. Christopherson.....	Dreamland.....	Meyer Kalbfeld
	H. Moeller.....	Dreamland.....	Martin Butcher
	Wm. Christopherson.....	Dreamland.....	Joe Brownfield
	W. O. Hotte.....	Dreamland.....	M. Siegelman
	H. Moeller.....	Dreamland.....	S. Diron
	H. Moeller.....	Dreamland.....	W. Olsen
	H. Moeller.....	Dreamland.....	O. Fishbach
	H. Moeller.....	Dreamland.....	J. Cohen
	W. J. Hotte.....	Dreamland.....	E. Dietrich
	W. J. Hotte.....	Dreamland.....	C. Wolfe
	W. J. Hotte.....	Dreamland.....	Lewis Ragusi
	A. Newmark.....	Dreamland.....	Jack Baskon
	A. Newmark.....	Dreamland.....	Hilox Sparrow
	A. Newmark.....	Dreamland.....	Neil Schwartz
	A. Newmark.....	Dreamland.....	Philip Kaplan
	A. Newmark.....	Dreamland.....	Harry Schambaum
	A. Newmark.....	Dreamland.....	Abraham Alexander
	A. Newmark.....	Dreamland.....	Isidore Greenberg
	A. Newmark.....	Dreamland.....	Jack Director
	A. Newmark.....	Dreamland.....	A. Miller
	A. Newmark.....	Dreamland.....	Sam Krystle
	A. Newmark.....	Dreamland.....	Messr Lallah
	A. Newmark.....	Dreamland.....	Isidore Jacobi
	A. Newmark.....	Dreamland.....	Michael Diamond
	A. Newmark.....	Dreamland.....	Paul Zurlin
	A. Newmark.....	Dreamland.....	Isidore Thaw
	A. Newmark.....	Dreamland.....	Jack Weiss
24.	A. Newmark.....	Dreamland.....	Louis Litvin
	A. Newmark.....	Dreamland.....	Willie Ehrlich
	A. Newmark.....	Dreamland.....	Tilly Feller
	A. Newmark.....	Dreamland.....	Aaron Edelson
	A. Newmark.....	Dreamland.....	Julius Reich
	A. Newmark.....	Dreamland.....	Isidor Abstgarten
	A. Newmark.....	Dreamland.....	Isidore Tavall
	H. Moeller.....	Dreamland.....	Benjamin Brighthen
	H. Moeller.....	Dreamland.....	Geo. Sadowaky
25.	A. Newmark.....	Dreamland.....	Gertie Kohn
	A. Newmark.....	Dreamland.....	Salvatore Corrao
	A. Newmark.....	Dreamland.....	J. Polakoff
	A. Newmark.....	Dreamland.....	H. Zlinaky
	A. Newmark.....	Dreamland.....	Joseph Shaffer
	A. Newmark.....	Dreamland.....	Nathan Formasky
	A. Newmark.....	Dreamland.....	Sam Rosenzining

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug. 25	A. Newmark.....	Dreamland.....	A. Schwartz
	A. Newmark.....	Dreamland.....	Joseph Pollack
	A. Newmark.....	Dreamland.....	David Boysen
	A. Newmark.....	Dreamland.....	Sam Gordess
	A. Newmark.....	Dreamland.....	Lillian Tusner
	A. Newmark.....	Dreamland.....	A. Liebman
	A. Newmark.....	Dreamland.....	Alfred Rosenberg
	A. Newmark.....	Dreamland.....	D. Kligman
	A. Newmark.....	Dreamland.....	L. Bunin
	H. Moeller.....	Dreamland.....	Frida Klieman
	A. Newmark.....	Dreamland.....	Harry Schambaum
	A. Newmark.....	Dreamland.....	Benj. Schnapper
	A. Newmark.....	Dreamland.....	Robt. Tirotta
	A. Newmark.....	Dreamland.....	Bessie Stern
	A. Newmark.....	Dreamland.....	G. Pearl
	A. Newmark.....	Dreamland.....	Max Riener
	A. Newmark.....	Dreamland.....	Isidore Baskin
	A. Newmark.....	Dreamland.....	B. Moss
Sept. 1.	A. Newmark.....	Dreamland.....	Otto Schurberg
	A. Newmark.....	Dreamland.....	Joseph Vecchinone
	A. Newmark.....	Dreamland.....	Harry Hyman
	A. Newmark.....	Dreamland.....	Arthur Conklin
	A. Newmark.....	Dreamland.....	Abraham Kushner
2.	A. Newmark.....	Dreamland.....	Fred Hedegard
	A. Newmark.....	Dreamland.....	Frank Letenspiok
	A. Newmark.....	Dreamland.....	Frank Treeshman
	A. Newmark.....	Dreamland.....	Michael Riasuto
	A. Newmark.....	Dreamland.....	Philip Cohen
	A. Newmark.....	Dreamland.....	Leo Cankoin
15.	A. Newmark.....	Dreamland.....	Harry Klein

WASHINGTON

June 5.	E. Kraus.....	Washington.....	Dave Garfuvkel
25.	E. Kraus.....	Washington.....	Sam Barbolat
July 4.	A. Goldstein.....	Washington.....	G. Greenspan
	A. Goldstein.....	Washington.....	L. Kaminetaky
5.	Captain Licciardi.....	Washington.....	Dora Slobodin
	Captain Licciardi.....	Washington.....	David Perles
	Captain Licciardi.....	Washington.....	Mr. Silvers
	Captain Licciardi.....	Washington.....	B. Babel
	E. Kraus.....	Washington.....	Max Babie
7.	R. Rothenberg.....	Washington.....	Joseph Haas
	R. Rothenberg.....	Washington.....	S. Robinson
	R. Rothenberg.....	Washington.....	J. Prolinck
	R. Rothenberg.....	Washington.....	Hyman Hirsev
	Captain Licciardi.....	Washington.....	Irving Nathan
	Captain Licciardi.....	Washington.....	Isidore Livnes
	E. Kraus.....	Washington.....	B. Babie
	E. Kraus.....	Washington.....	Mr. Morganson
	E. Kraus.....	Washington.....	Essie Grossman
	E. Kraus.....	Washington.....	J. Goldstein
	E. Kraus.....	Washington.....	Joseph Susman
	Dr. Frank.....	Washington.....	J. Cohen
	Dr. Frank.....	Washington.....	Ruby Pickus
	Dr. Frank.....	Washington.....	Meyer Kotoron
	Dr. Frank.....	Washington.....	Jack Gordon
	Dr. Frank.....	Washington.....	Nathan Brooks
	Dr. Frank.....	Washington.....	Benkj. Feldman
	Dr. Frank.....	Washington.....	Louis Flexman

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	7. Dr. Frank	Washington	David Stelver
	Dr. Frank	Washington	Aron Zwickel
	Dr. Frank	Washington	Bernard Brenhauser
	Dr. Frank	Washington	Aron Greenspan
	Dr. Frank	Washington	Isidore Silver
	Dr. Frank	Washington	Ben Silverman
	Dr. Frank	Washington	Abe Johnson
	Dr. Frank	Washington	V. Setel
	Dr. Frank	Washington	Max Razner
	Dr. Frank	Washington	Abe Rothenberg
	Dr. Frank	Washington	Gordon Zerber
	Dr. Frank	Washington	P. Cooperman
	Dr. Frank	Washington	Mr. Koris
	Dr. Frank	Washington	Jacob Perlman
	Dr. Frank	Washington	Oscar Rofalowitz
	Dr. Frank	Washington	Jack Cohen
	Dr. Frank	Washington	Manual Lesle
	8. Dr. Frank	Washington	Joseph Wiener
	Dr. Frank	Washington	Tilly Taylor
	Dr. Frank	Washington	Daniel Winler
	Dr. Frank	Washington	Sam Goldman
	14. Dr. Frank	Washington	Sam Koplen
	Dr. Frank	Washington	Sol Gerson
	Dr. Frank	Washington	Geo. Moore
	Dr. Frank	Washington	Bertha Zutler
	Dr. Frank	Washington	Abraham Scherago
	Dr. Frank	Washington	Geo. Stockman
	Dr. Frank	Washington	Wm. Ellowitz
	Dr. Frank	Washington	P. Kristal
	Dr. Frank	Washington	Arthur Greenbarn
	Dr. Frank	Washington	Harry Engel
	Dr. Frank	Washington	Louis Feldman
	Dr. Frank	Washington	Jack Voshinsky
	Dr. Frank	Washington	Isidore Podolsky
	Dr. Frank	Washington	Wm. Fried
	Dr. Frank	Washington	Sam Zotink
	Dr. Frank	Washington	Sam Freeman
	Dr. Frank	Washington	Johns Kiulser
	Dr. Frank	Washington	Nathan Satz
	Dr. Frank	Washington	Mildred Rosner
	15. Dr. Frank	Washington	L. Kadiash
	Chas. Multer	Washington	Jack Silber
	Anthony Lieciardi	Washington	B. Colman
	17. Dr. Frank	Washington	Hyman Marshall
	20. Dr. Frank	Washington	Val Schwartz
	Dr. Frank	Washington	Sam Krcas
	Dr. Frank	Washington	Abraham Green
	Dr. Frank	Washington	S. Kramer
	Dr. Frank	Washington	M. Frankel
	Dr. Frank	Washington	Max Herszkowitz
	Dr. Frank	Washington	Sam Brownstein
	Dr. Frank	Washington	Harry Rosenbaum
	Dr. Frank	Washington	Robert Disdale
	Dr. Frank	Washington	W. Cohen
	Dr. Frank	Washington	M. Schlats
	Dr. Frank	Washington	M. Schwartz
	Dr. Frank	Washington	Mariam Heller
	21. Dr. Frank	Washington	I. Fox
	Dr. Frank	Washington	Louis Shapiro
	Dr. Frank	Washington	H. Butkin

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 20.	Dr. Frank	Washington	J. M. Kaufman
	Dr. Frank	Washington	Abraham Barr
	Dr. Frank	Washington	Ida Rosensohn
	Dr. Frank	Washington	Ben Amsen
	Dr. Frank	Washington	Joe Arnold
	Dr. Frank	Washington	Will Goets
	Dr. Frank	Washington	Ed Becker
	Dr. Frank	Washington	Abe Schair
	Dr. Frank	Washington	Mitchell Ralph
	Dr. Frank	Washington	Joe Burkwits
	Dr. Frank	Washington	Carl Gaynor
	Dr. Frank	Washington	Peter Levy
	Dr. Frank	Washington	Morris Kronich
	Dr. Frank	Washington	David Ellweson
	Dr. Frank	Washington	Ethel Rudolph
	Dr. Frank	Washington	Sophie Patent
	Dr. Frank	Washington	Joe Goldberg
	Dr. Frank	Washington	Joe Wittmen
	Dr. Frank	Washington	Philip Blent
	Dr. Frank	Washington	S. Fisher
	Dr. Frank	Washington	Meyer Bernstein
	Dr. Frank	Washington	Sam Feldman
	Dr. Frank	Washington	Sam Axeloob
	Dr. Frank	Washington	Wm. Chatecha
	Dr. Frank	Washington	Louis Winasky
	Dr. Frank	Washington	Isidore Kramer
	Dr. Frank	Washington	Herman Mass
	Dr. Frank	Washington	L. A. Goodstein
	Dr. Frank	Washington	M. Aedekoff
	Dr. Frank	Washington	Sol. Silver
	Dr. Frank	Washington	J. Landor
	Dr. Frank	Washington	Herman Fishman
	Dr. Frank	Washington	Sam Grusce
	Dr. Frank	Washington	A. Koppoll
	Dr. Frank	Washington	Herman Nadle
	Dr. Frank	Washington	Jacob Frank
	Dr. Frank	Washington	Harry Feldhein
	Dr. Frank	Washington	Jos. Ingebert
	Dr. Frank	Washington	L. Eisenstein
	Dr. Frank	Washington	B. Kaufman
	Dr. Frank	Washington	Ralph Kuafsky
	Dr. Frank	Washington	Sam Flamminheint
	Dr. Frank	Washington	Louis Goldberg
	Dr. Frank	Washington	Harry Boliner
	Dr. Frank	Washington	Max Hitzeg
	Dr. Frank	Washington	Harry Febricart
	Dr. Frank	Washington	Leo Feingold
	Dr. Frank	Washington	A. Miller
	Dr. Frank	Washington	Jack Siegelman
	Dr. Frank	Washington	Hyman Kornbelt
	Dr. Frank	Washington	F. Deutsch
	R. Rothenberg	Washington	M. Sussman
	R. Rothenberg	Washington	Benj. Cohen
	R. Rothenberg	Washington	S. Kaufman
	R. Rothenberg	Washington	Al. Lambert
	R. Rothenberg	Washington	F. Dulberg
	R. Rothenberg	Washington	A. Rothman
	R. Rothenberg	Washington	L. Laiken
	R. Rothenberg	Washington	H. Gluck
	R. Rothenberg	Washington	J. Steinberg

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	21. R. Rothenberg.....	Washington.....	Ben Cohen
	R. Rothenberg.....	Washington.....	A. Albing
	R. Rothenberg.....	Washington.....	D. Karp
	R. Rothenberg.....	Washington.....	L. Mollin
	R. Rothenberg.....	Washington.....	S. Birkenfeld
	R. Rothenberg.....	Washington.....	Max Seltman
	R. Rothenberg.....	Washington.....	Sol Scherwin
	R. Rothenberg.....	Washington.....	L. Kabrowaky
	R. Rothenberg.....	Washington.....	A. Weiss
	R. Rothenberg.....	Washington.....	Sam Chergier
	R. Rothenberg.....	Washington.....	B. Fischman
	R. Rothenberg.....	Washington.....	S. Wisbach
	R. Rothenberg.....	Washington.....	L. Rubinstein
	R. Rothenberg.....	Washington.....	M. Lerner
	R. Rothenberg.....	Washington.....	S. Oberfeld
	R. Rothenberg.....	Washington.....	David Newfeld
	A. Goldstein.....	Washington.....	Bennie Fuchs
	A. Goldstein.....	Washington.....	M. Cooper
	A. Goldstein.....	Washington.....	Henry Cohen
	A. Goldstein.....	Washington.....	Irving Silverman
	A. Goldstein.....	Washington.....	M. Burnofsky
	A. Goldstein.....	Washington.....	J. Landau
	A. Goldstein.....	Washington.....	Mrs. Fredricks
	A. Goldstein.....	Washington.....	Joseph Levin
	A. Goldstein.....	Washington.....	Sadie Cohen
	A. Goldstein.....	Washington.....	S. Cohen
	A. Goldstein.....	Washington.....	Wm. Weiser
	Wm. Haynia.....	Washington.....	Morris Axinn
	Wm. Haynia.....	Washington.....	Morris Solow
	Wm. Haynia.....	Washington.....	Jacob Goldberg
	Wm. Haynia.....	Washington.....	M. Betersky
	Wm. Haynia.....	Washington.....	Arthur Zion
	Wm. Haynia.....	Washington.....	David Steingarten
	Wm. Haynia.....	Washington.....	Maurice Beloff
	Wm. Haynia.....	Washington.....	James Snyder
	Wm. Haynia.....	Washington.....	Al Fischer
	Wm. Haynia.....	Washington.....	Wm. Hayes
	Wm. Haynia.....	Washington.....	Chas. Smith
	A. Licciardi.....	Washington.....	Abraham Cohen
	A. Licciardi.....	Washington.....	Sam Keufman
	A. Licciardi.....	Washington.....	J. Cantor
	A. Licciardi.....	Washington.....	Sam Labor
	A. Licciardi.....	Washington.....	Peter Kelfus
	A. Licciardi.....	Washington.....	Samuel Berger
	A. Licciardi.....	Washington.....	David Klein
	A. Licciardi.....	Washington.....	Dave Klein
	Benj. Goldfarb.....	Washington.....	M. Servel
	Benj. Goldfarb.....	Washington.....	M. Findlestein
	Benj. Goldfarb.....	Washington.....	M. Bloombert
	Benj. Goldfarb.....	Washington.....	I. Surofsky
	Benj. Goldfarb.....	Washington.....	S. Reims
	Benj. Goldfarb.....	Washington.....	David Zeman
	Sydney Nussbaum.....	Washington.....	E. Stahl
	S. Multer.....	Washington.....	Jack Gordon
	E. Kraus.....	Washington.....	Chas. Miller
	E. Kraus.....	Washington.....	Ether Feinberg
	A. Licciardi.....	Washington.....	Harry Blustin
22.	A. Licciardi.....	Washington.....	Sam Worn
	A. Licciardi.....	Washington.....	Nathan Tucker
	Captain Licciardi.....	Washington.....	Max Goldberg

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Date 1918	Members rendering " first aid	Place where	Persons assisted
July	22. Captain Licciardi.....	Washington.....	M. Rosenberg
	Captain Licciardi.....	Washington.....	Mack Kruger
	Captain Licciardi.....	Washington.....	Abe Bretschneider
	Captain Licciardi.....	Washington.....	Jacob Gilbert
	S. Multer.....	Washington.....	Abraham Levine
	S. Multer.....	Washington.....	Max Black
	S. Multer.....	Washington.....	Sam Trietbaum
	S. Multer.....	Washington.....	Tobias Weiss
	E. Riemer.....	Washington.....	Morris Adelman
	E. Riemer.....	Washington.....	Mr. Wolf
	Dr. Frank.....	Washington.....	M. Schneider
	A. Licciardi.....	Washington.....	Mary Greisman
	23. Dr. Frank.....	Washington.....	Joe Aronowich
	Dr. Frank.....	Washington.....	Abe Rothman
	Dr. Frank.....	Washington.....	G. Divork
	Dr. Frank.....	Washington.....	Max Regan
	Dr. Frank.....	Washington.....	Milton Kaudlor
	E. Kraus.....	Washington.....	Joseph Sheehan, Jr.
	E. Kraus.....	Washington.....	M. Lipner
	E. Kraus.....	Washington.....	Nathan Berlow
	E. Kraus.....	Washington.....	Paul Rubin
	E. Kraus.....	Washington.....	Jack Osore
	E. Kraus.....	Washington.....	Mr. Schruer
	E. Kraus.....	Washington.....	J. Bauman
	E. Kraus.....	Washington.....	S. Shwartz
	E. Kraus.....	Washington.....	S. Golstein
	E. Kraus.....	Washington.....	Ben Brodinsky
	E. Kraus.....	Washington.....	B. Morganetan
	E. Kraus.....	Washington.....	Nathan Hilton
	S. Multer.....	Washington.....	Herman Lukas
	S. Multer.....	Washington.....	Alice Gurren
	S. Multer.....	Washington.....	Max Prager
	S. Multer.....	Washington.....	Sarah Savits
	S. Multer.....	Washington.....	Alex Reise
	Captain Licciardi.....	Washington.....	Rebecca Herman
	Captain Licciardi.....	Washington.....	Mr. Krokowsky
	Captain Licciardi.....	Washington.....	Oscar Rulenberg
	Captain Licciardi.....	Washington.....	H. Vanglish
	Captain Licciardi.....	Washington.....	J. Tarantolo
	Anthony Licciardi.....	Washington.....	Mr. Zuger
	Anthony Licciardi.....	Washington.....	James Venesar
	Anthony Licciardi.....	Washington.....	Irving Glasser
	Anthony Licciardi.....	Washington.....	Rubin Struas
	Anthony Licciardi.....	Washington.....	Wygen Goldegan
	R. Rothenberg.....	Washington.....	L. Dolgoff
	R. Rothenberg.....	Washington.....	H. Hirah
	B. Goldfarb.....	Washington.....	S. Blum
	B. Goldfarb.....	Washington.....	Max Kats
	E. Riemer.....	Washington.....	Gussie Kaplan
	E. Riemer.....	Washington.....	H. Stone
	24. A. Licciardi.....	Washington.....	Isidore Bavis
	S. Nussbaum.....	Washington.....	H. Freeman
	S. Multer.....	Washington.....	Alfred Alxer
	S. Multer.....	Washington.....	Henrette Gross
	25. A. Licciardi.....	Washington.....	Max Kimmel
	A. Licciardi.....	Washington.....	A. Auerbach
	E. Kraus.....	Washington.....	Rosie Radiat
	R. Rothenberg.....	Washington.....	J. Ahier
	26. S. Multer.....	Washington.....	M. Levine
	S. Multer.....	Washington.....	S. Pedmutter

Date:	Members rendering	Place where	Persons assisted
1918	" first aid "		
July 26.	S. Multer.....	Washington.....	Mr. Masine
	Louis Lefcourt.....	Washington.....	Mrs. Galber
	A. Licciardi.....	Washington.....	Chas. Benefard
	S. Multer.....	Washington.....	J. Taub
	S. Multer.....	Washington.....	B. Klein
27.	Dr. Frank.....	Washington.....	L. Krykowaden
	Dr. Frank.....	Washington.....	L. Erenstein
	Dr. Frank.....	Washington.....	Abe Kaplan
	Dr. Frank.....	Washington.....	Jack Madero
	Dr. Frank.....	Washington.....	M. Robbins
	Dr. Frank.....	Washington.....	M. Kaplan
	Dr. Frank.....	Washington.....	M. Kartmar
	Dr. Frank.....	Washington.....	Max Lippman
	Dr. Frank.....	Washington.....	I. Goldberg
	Dr. Frank.....	Washington.....	William Goldstein
	Dr. Frank.....	Washington.....	David Russekoff
	Dr. Frank.....	Washington.....	Morris Stangler
	Dr. Frank.....	Washington.....	Jacob Greene
	Dr. Frank.....	Washington.....	A. Kepstine
	Dr. Frank.....	Washington.....	David Polonaky
	Dr. Frank.....	Washington.....	Eva Silber
	Dr. Frank.....	Washington.....	Dave Leventhal
	Dr. Frank.....	Washington.....	Jack Sherr
	Dr. Frank.....	Washington.....	A. Rosenthal
	Dr. Frank.....	Washington.....	Harry Beecher
	Dr. Frank.....	Washington.....	Sam Vimets
	Dr. Frank.....	Washington.....	Meyer Gruder
	Dr. Frank.....	Washington.....	Samuel Homer
	A. Goldstein.....	Washington.....	A. Shuldsavant
	A. Goldstein.....	Washington.....	N. Schechter
	R. Rothenberg.....	Washington.....	Sam Reisen
	R. Rothenberg.....	Washington.....	D. Klein
	L. Lefcourt.....	Washington.....	Louis Zucker
	A. Licciardi.....	Washington.....	Ernst Gelb
	28.	Dr. Frank.....	Washington.....	Mrs. Falver
Dr. Frank.....		Washington.....	Sam Berger
Dr. Frank.....		Washington.....	Isidore Solomon
Dr. Frank.....		Washington.....	Sam Gross
Dr. Frank.....		Washington.....	Louis Goldstein
Dr. Frank.....		Washington.....	Joe. Cohen
Dr. Frank.....		Washington.....	Isidore Schneider
Dr. Frank.....		Washington.....	Michael Greene
Dr. Frank.....		Washington.....	Phil Titmun
Dr. Frank.....		Washington.....	Isidore Isaacstein
Dr. Frank.....		Washington.....	Harry Guller
Dr. Frank.....		Washington.....	Joe Papowits
Dr. Frank.....		Washington.....	R. Silverman
Dr. Frank.....		Washington.....	Pauline Lament
Dr. Frank.....		Washington.....	Joe Berkowits
Dr. Frank.....		Washington.....	Mr. Silberberg
Dr. Frank.....		Washington.....	Ben Austin
Dr. Frank.....		Washington.....	Frank Siden
Dr. Frank.....		Washington.....	William Glickman
Dr. Frank.....		Washington.....	Rose Shinder
Dr. Frank.....		Washington.....	M. Bruckenstein
Dr. Frank.....		Washington.....	Sol Goldstein
Dr. Frank.....		Washington.....	Philip Liefer
Dr. Frank.....		Washington.....	Jake Kahn
Dr. Frank.....		Washington.....	Lillie Trakowsky
Dr. Frank.....		Washington.....	Herman Dratch

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 28.	Dr. Frank	Washington	Sam Kats
	Dr. Frank	Washington	Adolf Weinberger
	Dr. Frank	Washington	Benj. Cohen
	Dr. Frank	Washington	Mike Matzer
	Dr. Frank	Washington	Sam Nierenberg
	Dr. Frank	Washington	George Roberts
	Dr. Frank	Washington	Leonard Egbert
	Dr. Frank	Washington	Isidore Bauman
	Dr. Frank	Washington	Hyman Grossman
	Dr. Frayk	Washington	Harry Miller
	Dr. Frank	Washington	Otto Baush
	Dr. Frank	Washington	Herman Tishler
	Dr. Frank	Washington	Frank Nusbaume
	Dr. Frank	Washington	Sam Smith
	Dr. Frank	Washington	Sam Zimmerman
	Dr. Frank	Washington	H. Moolle
	Dr. Frank	Washington	Morris Ploken
	Dr. Frank	Washington	Arthur Flynn
	Dr. Frank	Washington	Milton King
	Dr. Frank	Washington	Herman Rusch
	Dr. Frank	Washington	Frank Cohn
	Dr. Frank	Washington	Sam Salchesten
	Dr. Frank	Washington	Julius Marles
	Dr. Frank	Washington	Sol Sukins
	Dr. Frank	Washington	Herman Axelros
	Dr. Frank	Washington	Jack Nadel
	Dr. Frank	Washington	A. L eff
	Dr. Frank	Washington	Geo. Beckmann
	Dr. Frank	Washington	Max Schenolsky
	Dr. Frank	Washington	Max Lagune
	Dr. Frank	Washington	Max Weber
	Dr. Frank	Washington	Harry Schwedock
	Dr. Frank	Washington	Abe Lery
	Dr. Frank	Washington	Sarah Wieder
	Dr. Frank	Washington	L. Krafchick
	Dr. Frank	Washington	Sam Lever
	Dr. Frank	Washington	Jacob Max
	Dr. Frank	Washington	Bertha Kats
	Dr. Frank	Washington	Richard Kandel
	Dr. Frank	Washington	K. Perlmutter
	Dr. Frank	Washington	S. Breakton
	Dr. Frank	Washington	R. Wies
	Dr. Frank	Washington	M. Kramer
	Dr. Frank	Washington	Latchin Julius
	Dr. Frank	Washington	Dave Schecter
	Dr. Frank	Washington	Rose Schwartz
	Dr. Frank	Washington	Sam Levine
	Dr. Frank	Washington	Morris Reidler
	Dr. Frank	Washington	I. Press
	Dr. Frank	Washington	Jack Kroshinaky
	Dr. Frank	Washington	I. Rosenson
	Dr. Frank	Washington	H. Ravitaky
	Dr. Frank	Washington	Edna Cohen
	Dr. Frank	Washington	Chas. Washler
	Sam Multer	Washington	Armond Farkash
	Sam Multer	Washington	B. Diamond
	Sam Multer	Washington	Herman Gold
	Sam Multer	Washington	Morris Nadel
	Sam Multer	Washington	Abraham Serger
	Sam Multer	Washington	I. Bernstein

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	28. Sam Multer.....	Washington.....	Julius Charet
	Sam Multer.....	Washington.....	Morris Herman
	Sam Multer.....	Washington.....	F. Flynn
	A. Liociardi.....	Washington.....	Chas. Berkman
	A. Liociardi.....	Washington.....	Harry Cohen
	A. Liociardi.....	Washington.....	Emanuel Moskowitz
	A. Liociardi.....	Washington.....	R. Gottlieb
	A. Liociardi.....	Washington.....	A. Seegos
	A. Goldstein.....	Washington.....	M. Zokusky
	29. S. Multer.....	Washington.....	Mr. Aaben
	R. Rothenberg.....	Washington.....	J. Kaufman
	R. Rothenberg.....	Washington.....	M. Cherrick
	S. Multer.....	Washington.....	B. King
	A. Liociardi.....	Washington.....	Dave Dreyfus
	29. A. Liociardi.....	Washington.....	Mike Felius
	Captain Liociardi.....	Washington.....	Joseph Cohen
	30. A. Goldstein.....	Washington.....	Jim Venesia
	R. Rothenberg.....	Washington.....	Fanny Kats
Aug.	1. A. Liociardi.....	Washington.....	R. Rothenberg
	A. Liociardi.....	Washington.....	Meyer Sherbon
	2. S. Multer.....	Washington.....	Dave Klein
	A. Liociardi.....	Washington.....	Harry Miller
	A. Liociardi.....	Washington.....	Dave Porthuser
	3. A. Liociardi.....	Washington.....	Joe Gold
	A. Liociardi.....	Washington.....	Mr. Silverstein
	A. Liociardi.....	Washington.....	Jenny Bork
	A. Liociardi.....	Washington.....	L. Noodlenman
	R. Rothenberg.....	Washington.....	B. Blum
	Dr. Frank.....	Washington.....	H. Birendach
	Dr. Frank.....	Washington.....	H. Berger
	Dr. Frank.....	Washington.....	V. Silver
	Dr. Frank.....	Washington.....	K. Weiner
	Dr. Frank.....	Washington.....	I. Vollack
	Dr. Frank.....	Washington.....	L. Weinberg
	Dr. Frank.....	Washington.....	N. Smith
	Dr. Frank.....	Washington.....	B. Zimmermann
	Dr. Frank.....	Washington.....	Louis Moss
	Dr. Frank.....	Washington.....	S. Pines
	Dr. Frank.....	Washington.....	Harry Zucker
	Dr. Frank.....	Washington.....	S. Borgman
	Dr. Frank.....	Washington.....	I. Rinkin
	4. Dr. Frank.....	Washington.....	Louis Smith
	Dr. Frank.....	Washington.....	S. Fischman
	Dr. Frank.....	Washington.....	Max Gutterman
	Dr. Frank.....	Washington.....	M. Schwartz
	Dr. Frank.....	Washington.....	Yetta Sitter
	Dr. Frank.....	Washington.....	Joe Miller
	Dr. Frank.....	Washington.....	Harry Greenberg
	Dr. Frank.....	Washington.....	Max Kernan
	Dr. Frank.....	Washington.....	Abe Ploot
	Dr. Frank.....	Washington.....	Louis Schnitzer
	Dr. Frank.....	Washington.....	Mavie Windrech
	Dr. Frank.....	Washington.....	Max Stelzer
	Dr. Frank.....	Washington.....	Emanuel Tesser
	Dr. Frank.....	Washington.....	Harry Richter
	Dr. Frank.....	Washington.....	William Greenberg
	Dr. Frank.....	Washington.....	Molly Cohen
	Dr. Frank.....	Washington.....	Samuel Lasaroff
	Dr. Frank.....	Washington.....	Solomon Lisikin
	Dr. Frank.....	Washington.....	Ben Schwartz

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Date 1918	Members tendering " first aid "	Place where	Persons assisted
Aug.	4. Dr. Frank	Washington	Max Plougn
	Dr. Frank	Washington	Dave Fillengter
	A. Liociardi	Washington	Alex Schults
	Captain Liociardi	Washington	Harry Etkin
	Captain Liociardi	Washington	J. Menneberg
	Captain Liociardi	Washington	Sam Strivser
	A. Goldstein	Washington	B. Golden
	5. Captain Liociardi	Washington	Joe Eldert
	Captain Liociardi	Washington	Reuben Wienick
	R. Rothenberg	Washington	Yetta Michaelson
	R. Rothenberg	Washington	Meyer Scherkowitz
	6. R. Rothenberg	Washington	A. Borook
	R. Rothenberg	Washington	Philip Bergman
	R. Rothenberg	Washington	Max Schwartz
	R. Rothenberg	Washington	C. Cagifo
	R. Rothenberg	Washington	Henry Schneiderman
	R. Rothenberg	Washington	S. Koenig
	R. Rothenberg	Washington	Lena Schas
	R. Rothenberg	Washington	Joe Accorch
	R. Rothenberg	Washington	Frank Binpi
	R. Rothenberg	Washington	Frank Bloom
	R. Rothenberg	Washington	I. Weinberg
	R. Rothenberg	Washington	R. Grey
	R. Rothenberg	Washington	H. Berg
	R. Rothenberg	Washington	Joseph Somzasi
	R. Rothenberg	Washington	A. Taffet
	R. Rothenberg	Washington	I. Adler
	Captain Liociardi	Washington	Sam Tromkin
	Captain Liociardi	Washington	Roscar Grendiso
	Captain Liociardi	Washington	Samuel Halpert
	Captain Liociardi	Washington	Sam Gellman
	Captain Liociardi	Washington	Sam Dinnar
	Captain Liociardi	Washington	Joe Davis
	Captain Liociardi	Washington	Jacob Johnson
	6. A. Liociardi	Washington	Yetta Cankins
	A. Liociardi	Washington	Joe Bender
	A. Liociardi	Washington	Jacob Kupperman
	A. Liociardi	Washington	L. Feldman
	A. Liociardi	Washington	Mr. Lerbawotis
	A. Liociardi	Washington	Mr. Kindneon
	C. Multer	Washington	Irving Telger
	C. Multer	Washington	Morris Leeman
	C. Multer	Washington	Jacob Rubin
	L. Lefcourt	Washington	Philip Munchick
	L. Lefcourt	Washington	S. Heller
	L. Lefcourt	Washington	Leo Shapiro
	L. Lefcourt	Washington	H. Raviensky
	L. Lefcourt	Washington	Aaron Katcher
	L. Lefcourt	Washington	M. Rulm
	E. Kraus	Washington	J. Barsky
	7. Dr. Frank	Washington	N. Solomon
	Dr. Frank	Washington	A. Gurtmacher
	Dr. Frank	Washington	E. Nullman
	Dr. Frank	Washington	S. Pomerants
	Dr. Frank	Washington	William Rottman
	Dr. Frank	Washington	Jacob Hockman
	Dr. Frank	Washington	Rose Adell
	Dr. Frank	Washington	Jennie Cohen
	Dr. Frank	Washington	H. Cohen
	Dr. Frank	Washington	A. Bruno

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug. 7.	Dr. Frank.....	Washington.....	R. Kestenbam
	Dr. Frank.....	Washington.....	J. Steinberg
	Dr. Frank.....	Washington.....	B. Glovits
	Dr. Frank.....	Washington.....	D. Rosenbaum
	Dr. Frank.....	Washington.....	Joe Fuchs
	Dr. Frank.....	Washington.....	D. Abrahamsen
	Dr. Frank.....	Washington.....	Julius Goldsmith
	Dr. Frank.....	Washington.....	Isidore Garginaky
	Dr. Frank.....	Washington.....	M. Simon
	Dr. Frank.....	Washington.....	L. Schnieder
	Dr. Frank.....	Washington.....	D. Schneiderman
	Dr. Frank.....	Washington.....	Chas. Schwartz
	Dr. Frank.....	Washington.....	Isidore Neeler
	Dr. Frank.....	Washington.....	Isidore Leibowits
	Dr. Frank.....	Washington.....	Wm. Berman
	Dr. Frank.....	Washington.....	L. Rose
	Dr. Frank.....	Washington.....	S. Spak
	Dr. Frank.....	Washington.....	J. Harkavy
	Dr. Frank.....	Washington.....	H. Hankin
	Dr. Frank.....	Washington.....	M. Levine
	Dr. Frank.....	Washington.....	M. Arab
	Dr. Frank.....	Washington.....	E. Schneider
	Dr. Frank.....	Washington.....	S. Sackin
	R. Rothenberg.....	Washington.....	W. Polen
	R. Rothenberg.....	Washington.....	J. Abraham
	R. Rothenberg.....	Washington.....	N. Wagner
	R. Rothenberg.....	Washington.....	J. Ulich
	R. Rothenberg.....	Washington.....	F. Feinman
	R. Rothenberg.....	Washington.....	W. Perlman
	R. Rothenberg.....	Washington.....	L. Chopinck
	R. Rothenberg.....	Washington.....	Harry Sneiderman
	Capt. Liocciardi.....	Washington.....	Frank Barrer
	Capt. Liocciardi.....	Washington.....	Abe. Laslofsky
	Capt. Liocciardi.....	Washington.....	L. Keverr
	Capt. Liocciardi.....	Washington.....	Mike Kraus
	A. Liocciardi.....	Washington.....	I. Levine
	A. Liocciardi.....	Washington.....	H. Bloom
	A. Liocciardi.....	Washington.....	Sam Scharfsten
	S. Multer.....	Washington.....	George Kaplan
	S. Multer.....	Washington.....	M. Shildkrout
	E. Reimer.....	Washington.....	Lew Gans
	E. Reimer.....	Washington.....	B. Dondick
	J. Veneziano.....	Washington.....	Anthony Salviano
8.	Dr. Frank.....	Washington.....	Joe Shenkovits
	Dr. Frank.....	Washington.....	Victor Cohen
	Dr. Frank.....	Washington.....	Max Greenberg
	Dr. Frank.....	Washington.....	Sam Rosenthal
	Dr. Frank.....	Washington.....	Sam Schnider
	Dr. Frank.....	Washington.....	M. Sacner
	Dr. Frank.....	Washington.....	Sarah Blumberg
	Dr. Frank.....	Washington.....	Joseph Zion
	Dr. Frank.....	Washington.....	Emanuel Meho
	Dr. Frank.....	Washington.....	Abie Magen
	Dr. Frank.....	Washington.....	Sam Hana
	Dr. Frank.....	Washington.....	H. Kats
	Dr. Frank.....	Washington.....	Max Dollinger
	Dr. Frank.....	Washington.....	Bernard Bold
	Dr. Frank.....	Washington.....	Barclay Lester
	Dr. Frank.....	Washington.....	Lewell Goldberg
	Dr. Frank.....	Washington.....	Otto Salveano

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug.	8. Dr. Frank.....	Washington.....	Fannie Blumenthal
	Dr. Frank.....	Washington.....	Jacob Cohn
	Dr. Frank.....	Washington.....	Mike Richten
	Dr. Frank.....	Washington.....	Nathan Mendelson
	Dr. Frank.....	Washington.....	Charles Speafen
	Dr. Frank.....	Washington.....	John Dahrer
	Dr. Frank.....	Washington.....	Thos. Nelson
	Dr. Frank.....	Washington.....	Louis Kassman
	Dr. Frank.....	Washington.....	D. Siskin
	Dr. Frank.....	Washington.....	Max Ripkin
	Dr. Frank.....	Washington.....	Pauline Gutterman
	Dr. Frank.....	Washington.....	I. Marsky
	Dr. Frank.....	Washington.....	Louis Lumberger
	Dr. Frank.....	Washington.....	Anna Daniels
	Dr. Frank.....	Washington.....	Joe Weiss
	Dr. Frank.....	Washington.....	L. Kugler
	Dr. Frank.....	Washington.....	I. Stein
	Dr. Frank.....	Washington.....	Alex Levine
	R. Rothenberg.....	Washington.....	I. Zucker
	R. Rothenberg.....	Washington.....	M. Bier
	R. Rothenberg.....	Washington.....	D. Edelstein
	R. Rothenberg.....	Washington.....	F. Kaulick
	R. Rothenberg.....	Washington.....	M. Cooper
	E. Kraus.....	Washington.....	Chas. Weiss
	E. Kraus.....	Washington.....	Benj. Banibower
	9. Capt. Licciardi.....	Washington.....	Herman Schwartz
	Capr. Licciardi.....	Washington.....	Lewis Raihisen
	Capt. Licciardi.....	Washington.....	Harry Shore
	Capt. Licciardi.....	Washington.....	B. Feltman
	Capt. Licciardi.....	Washington.....	Sam Cubamer
	Capt. Licciardi.....	Washington.....	Milton Green
	Dr. Frank.....	Washington.....	Leah Schwadron
	Dr. Frank.....	Washington.....	M. Siejd
	A. Licciardi.....	Washington.....	H. Feltman
	A. Licciardi.....	Washington.....	E. Rothfeld
	Joe Charet.....	Washington.....	Benny Cohen
	R. Rothenberg.....	Washington.....	Sam Levine
	M. Riemer.....	Washington.....	Meyer Mincher
	10. Dr. Frank.....	Washington.....	Anna Radeam
	Dr. Frank.....	Washington.....	Julius Freedman
	Dr. Frank.....	Washington.....	A. Schari
	Dr. Frank.....	Washington.....	P. Ippolito
	Dr. Frank.....	Washington.....	A. Cohen
	Dr. Frank.....	Washington.....	Philip Leskin
	Dr. Frank.....	Washington.....	Max Potach
	J. Cohen.....	Washington.....	Irving Wortis
	J. Cohen.....	Washington.....	Louis Fichtemberg
	S. Multer.....	Washington.....	J. Hookel
	S. Multer.....	Washington.....	A. Kobly
	Capt. Licciardi.....	Washington.....	Nathan King
	E. Reimer.....	Washington.....	Walter Smith
	11. Dr. Frank.....	Washington.....	Jessie Wood
	Dr. Frank.....	Washington.....	Philip Kiever
	A. Goldstein.....	Washington.....	Victor Verris
	13. A. Licciardi.....	Washington.....	Joseph Sandman
	A. Licciardi.....	Washington.....	Harry Gilrodi
	R. Rothenberg.....	Washington.....	M. Singer
	R. Rothenberg.....	Washington.....	Tillie Schwartz
	S. Multer.....	Washington.....	Mr. Ackerman
	S. Multer.....	Washington.....	Isaac Nepo

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug. 13.	S. Multer.....	Washington.....	Sam Pragneto
	S. Multer.....	Washington.....	Sam Fisch
	S. Multer.....	Washington.....	Nettie Racker
	S. Multer.....	Washington.....	Harry Cohen
	S. Multer.....	Washington.....	Jack Berg
	S. Multer.....	Washington.....	Arthur Weiss
	Capt. Liociardi.....	Washington.....	George Cafers
14.	S. Multer.....	Washington.....	Abe Kasours
	S. Multer.....	Washington.....	J. Levine
	S. Multer.....	Washington.....	Ethel King
	S. Multer.....	Washington.....	I. Forke
	S. Multer.....	Washington.....	Mrs. Gross
	S. Multer.....	Washington.....	Lawrence Brenner
14.	S. Multer.....	Washington.....	Lawrence Brenner
	R. Rothenberg.....	Washington.....	Harry Cohen
	R. Rothenberg.....	Washington.....	Ben Bloesmer
	R. Rothenberg.....	Washington.....	S. Feinblatt
	R. Rothenberg.....	Washington.....	A. Rottenberg
	Captain Liociardi.....	Washington.....	Casper Randazzo
15.	Captain Liociardi.....	Washington.....	Abraham Jackson
	S. Multer.....	Washington.....	Bernard Backer
	S. Multer.....	Washington.....	H. Binder
	S. Multer.....	Washington.....	Dave Podheiser
	S. Multer.....	Washington.....	I. Rothman
	A. Liociardi.....	Washington.....	I. Luchanaky
16.	Ray Kerchan.....	Washington.....	Isidore Kalfus
	L. Lefcourt.....	Washington.....	Marry Kleinert
17.	Captain Liociardi.....	Washington.....	Eether Rottenberg
	Captain Liociardi.....	Washington.....	Abe Gerni
	A. Liociardi.....	Washington.....	S. Beyer
	A. Liociardi.....	Washington.....	I. Mueller
	A. Liociardi.....	Washington.....	W. Rosenstein
	A. Liociardi.....	Washington.....	Private Legoe
	S. Multer.....	Washington.....	Mr. Myron
	S. Multer.....	Washington.....	Ruth Friedland
18.	A. Liociardi.....	Washington.....	A. Aubeso
	A. Liociardi.....	Washington.....	James Hoept
	S. Multer.....	Washington.....	H. Goldstein
	S. Multer.....	Washington.....	Nat Stein
	S. Multer.....	Washington.....	S. Goodman
	S. Multer.....	Washington.....	Louis Parnes
	Captain Liociardi.....	Washington.....	S. Condiel
	Captain Liociardi.....	Washington.....	D. Klein
	Surfman Goldstein.....	Washington.....	G. Greenberg
	R. Rothenberg.....	Washington.....	J. Shinaay
	L. Lefcourt.....	Washington.....	Louis Silver
19.	A. Liociardi.....	Washington.....	H. Baly
20.	L. Lefcourt.....	Washington.....	Louis Bagdonoff
	L. Lefcourt.....	Washington.....	F. Williams
	L. Lefcourt.....	Washington.....	Adolph Bouger
	L. Lefcourt.....	Washington.....	Mademoiselle Le Vois
	A. Liociardi.....	Washington.....	Harry Wolson
	A. Liociardi.....	Washington.....	I. Rialino
	A. Liociardi.....	Washington.....	Max Mirrow
	R. Rothenberg.....	Washington.....	B. Bagdonoff
21.	A. Liociardi.....	Washington.....	C. Pack
	A. Liociardi.....	Washington.....	Nellie Buger
	A. Liociardi.....	Washington.....	Hyman Rochefsky
	A. Liociardi.....	Washington.....	Mary Edelman
	L. Lefcourt.....	Washington.....	B. Sheiner

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug.	22. A. Liociardi.....	Washington.....	A. Feldman
	A. Liociardi.....	Washington.....	Sam Choe
	23. S. Multer.....	Washington.....	Anna Venatse
	S. Multer.....	Washington.....	Sam Melinok
	S. Multer.....	Washington.....	Frank Felino
	S. Multer.....	Washington.....	J. Stern
	S. Multer.....	Washington.....	Jacob Sobel
	A. Liociardi.....	Washington.....	Irving Gottlieb
	24. Dr. Frank.....	Washington.....	F. Fishman
	Dr. Frank.....	Washington.....	M. Bauer
	Dr. Frank.....	Washington.....	H. Jaulow
	Dr. Frank.....	Washington.....	S. Gottlieb
	Dr. Frank.....	Washington.....	Sid Reich
	Dr. Frank.....	Washington.....	J. Bush
	Dr. Frank.....	Washington.....	C. Kiowits
	Dr. Frank.....	Washington.....	S. Kemler
	25. Dr. Frank.....	Washington.....	B. Weiner
	Dr. Frank.....	Washington.....	Max Blank
	Dr. Frank.....	Washington.....	M. Friedberg
	Dr. Frank.....	Washington.....	B. Alneowits
	Dr. Crawford.....	Washington.....	N. Nathanson
	A. Goldstein.....	Washington.....	L. Nugeo
	S. Multer.....	Washington.....	Sidney Zuher
	L. Lefcourt.....	Washington.....	Leon Hyman
	L. Lefcourt.....	Washington.....	A. Broutina
	L. Lefcourt.....	Washington.....	Anna Wenesia
	27. Dr. Frank.....	Washington.....	M. Mound
	31. Dr. Frank.....	Washington.....	John McDovin
	Dr. Frank.....	Washington.....	Ida Bodner
	Dr. Frank.....	Washington.....	Rose Kneber
Sept.	1. Dr. Frank.....	Washington.....	Wm. Ropperfort
	Dr. Frank.....	Washington.....	Walter Reynolds
	Dr. Frank.....	Washington.....	Harry Soobin
	A. Goldstein.....	Washington.....	M. Elkins
	A. Goldstein.....	Washington.....	J. Richter
	A. Liociardi.....	Washington.....	Richard Snedeker
	A. Liociardi.....	Washington.....	Dave Salewits
	2. Dr. Frank.....	Washington.....	M. Delin
	Dr. Frank.....	Washington.....	Harry Bierfeld
	Dr. Frank.....	Washington.....	Hy Tucker
	Dr. Frank.....	Washington.....	Silvia Friedland
	A. Liociardi.....	Washington.....	Morris Pappes

PARKWAY

June	8. Geo. Marks.....	Parkway.....	Sidney Jones
	Louis Levinson.....	Parkway.....	Morris Krausher
	9. Louis Levinson.....	Parkway.....	A. Frederick
	Louis Borden.....	Parkway.....	Harry Faust
	John Sherman.....	Parkway.....	Milton Rindler
	Louis Levinson.....	Parkway.....	R. Markowsky
	Louis Levinson.....	Parkway.....	F. J. Papassela
	Harry Sabine.....	Parkway.....	L. Bodinger
	Al Alperin.....	Parkway.....	J. Schacter
	Al Alperin.....	Parkway.....	H. Siben
	15. J. Nadel.....	Parkway.....	Mrs. Levine
	J. Nadel.....	Parkway.....	Mr. Kleeman
	Jerry Borden.....	Parkway.....	Jake Pastawurts
	Dr. Frank.....	Parkway.....	Jerry Borden
	Dr. Frank.....	Parkway.....	Mr. Shanks

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	15. Louis Borden.....	Parkway.....	L. Wolson
	Dr. Frank.....	Parkway.....	L. Cohen
	16. J. Newman.....	Parkway.....	H. Goldstein
	Al Alperin.....	Parkway.....	Abe Herta
	Louis Borden.....	Parkway.....	Miss Applebaum
	Louis Borden.....	Parkway.....	Max Bommer
	Louis Borden.....	Parkway.....	L. Sigall
	Louis Borden.....	Parkway.....	Abraham Herta
	Louis Borden.....	Parkway.....	Louis Sussman
	Louis Borden.....	Parkway.....	Alfred Rader
	Louis Borden.....	Parkway.....	Max Baecker
	Captain Feldman.....	Parkway.....	Ray Fernie
	17. Dr. Frank.....	Parkway.....	Bernard Palmelo
	18. Geo. Pallas.....	Parkway.....	Leo Gordon
	19. L. Levinson.....	Parkway.....	L. Raynes
	L. Levineon.....	Parkway.....	Isadore Swirnow
	H. Colon.....	Parkway.....	M. Herring
	H. Colon.....	Parkway.....	Harry Bodman
	H. Colon.....	Parkway.....	Harry Cohen
	Jerry Borden.....	Parkway.....	George Kramer
	20. L. Levinson.....	Parkway.....	Phil Wheistone
	22. Surfman Gaus.....	Parkway.....	Irving Gold
	Dr. Frank.....	Parkway.....	M. Braustein
	23. L. Levinson.....	Parkway.....	Geo. Palwas
	24. Doctor from Coney Island Hosp.	Parkway.....	Mrs. Fridman
	26. Dr. Frank.....	Parkway.....	Sophia Ader
	30. Boatswain Bruml.....	Parkway.....	Geo. Palley
	Dr. Frank.....	Parkway.....	Ernie Falks
	Dr. Frank.....	Parkway.....	Irene Pickerson
	Dr. Frank.....	Parkway.....	Harry Bilson
	Dr. Frank.....	Parkway.....	Irving Herta
	Dr. Frank.....	Parkway.....	Murray Rodin
	Dr. Frank.....	Parkway.....	Max Katz
July	2. L. Levinson.....	Parkway.....	M. Miel
	3. L. Levinson.....	Parkway.....	S. Ginberg
	L. Levineon.....	Parkway.....	E. Stark
	4. Dr. Frank.....	Parkway.....	Mr. Zuin
	Dr. Goldberg.....	Parkway.....	S. Rakowits
	Dr. Goldberg.....	Parkway.....	Charles Greenhouse
	S. J. Hausman.....	Parkway.....	O. Friedman
	S. J. Hausman.....	Parkway.....	M. Bugler
	S. J. Hausman.....	Parkway.....	S. Markslom
	Dr. Frank.....	Parkway.....	Howard Steenberg
	Dr. Goldberg.....	Parkway.....	Dorthy Cullam
	Dr. Goldberg.....	Parkway.....	J. Weiss
	Dr. Goldberg.....	Parkway.....	M. Becker
	Dr. Goldberg.....	Parkway.....	Phil Strauss
	Dr. Goldberg.....	Parkway.....	Jacob Wasserman
	Dr. Frank.....	Parkway.....	William Langann
	Dr. Frank.....	Parkway.....	Portnay Miller
	Dr. Goldberg.....	Parkway.....	Louis Kirschenbluth
	Dr. Goldberg.....	Parkway.....	H. Kravats
	Dr. Frank.....	Parkway.....	W. Vogel
	Dr. Goldberg.....	Parkway.....	Louis Ginsberg
	Dr. Frank.....	Parkway.....	S. Greensberg
	Dr. Frank.....	Parkway.....	S. Goodman
	Dr. Frank.....	Parkway.....	Minax Markowts
	Dr. Frank.....	Parkway.....	Edith Horowarth
	5. Geo. Marks.....	Parkway.....	Anna Kass
	Dr. E. M. Somers.....	Parkway.....	M. Halpern

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July	15. L. Levinson.....	Parkway.....	K. Rosentswig
	Surfman Gaus.....	Parkway.....	Sarah Deneroff
	Louis Borden.....	Parkway.....	R. Markowsky
	L. Levinson.....	Parkway.....	M. Schwartz
	L. Levinson.....	Parkway.....	W. Roener
	6. Surfman Gaus.....	Parkway.....	H. Sherezer
	Dr. Marks.....	Parkway.....	A. Dubs
	Dr. Marks.....	Parkway.....	L. Cohen
	L. Sherman.....	Parkway.....	Nathan Witkow
	Dr. Goldberg.....	Parkway.....	Mrs. Greenberg
	L. Levinson.....	Parkway.....	R. Markowsky
	Al. Alperin.....	Parkway.....	Jacob Morrison
	Surfman Bruml.....	Parkway.....	Mrs. Newman
	7. L. Levinson.....	Parkway.....	A. Bremer
	Dr. Goldberg.....	Parkway.....	Nathan Goldstein
	Dr. Goldberg.....	Parkway.....	H. Winkler
	Dr. Goldberg.....	Parkway.....	Gerald Lacagnana
	Dr. Goldberg.....	Parkway.....	Felix Parhici
	Dr. Goldberg.....	Parkway.....	Jacob Kass
	Dr. Goldberg.....	Parkway.....	Mildred Becker
	Dr. Goldberg.....	Parkway.....	Lilly Stein
	Dr. Goldberg.....	Parkway.....	Meyer Pichakoff
	Dr. Goldberg.....	Parkway.....	Ed. Jacob
	B. Blogg.....	Parkway.....	Stanley Dickinson
	Louis Boden.....	Parkway.....	A. Cypelman
	Louis Borden.....	Parkway.....	Anna Rothman
	Dr. Goldberg.....	Parkway.....	J. Ginsberg
	Dr. Goldberg.....	Parkway.....	B. Zilverman
	Dr. Goldberg.....	Parkway.....	L. Lipsit
	8. Louis Borden.....	Parkway.....	Walter Frankel
	10. Louis Borden.....	Parkway.....	Rachael Cohen
	G. Pollas.....	Parkway.....	Harold Bauer
	G. Pollas.....	Parkway.....	Benj. Schoenhols
	L. Levinson.....	Parkway.....	M. Golden
	L. Levinson.....	Parkway.....	Peter McCann
	Louis Borden.....	Parkway.....	Harold Robins
	13. W. Reiss.....	Parkway.....	A. Friedman
	Dr. Goldberg.....	Parkway.....	Arthur Belson
	Dr. Goldberg.....	Parkway.....	Harry Nemeroff
	J. Gaus.....	Parkway.....	Julius Lipow
	L. Levinson.....	Parkway.....	L. Mendelsohn
	L. Levinson.....	Parkway.....	S. Freidman
	L. Levinson.....	Parkway.....	A. Cypelman
	L. Levinson.....	Parkway.....	J. Gordan
	J. Gaus.....	Parkway.....	Nat Abraham
	J. Gaus.....	Parkway.....	M. Hoffman
	Dr. Goldberg.....	Parkway.....	P. Deschamps
	Dr. Goldberg.....	Parkway.....	Herman Bremman
	Dr. Goldberg.....	Parkway.....	Charles Jaffe
	Dr. Goldberg.....	Parkway.....	Rose Wiahner
	Dr. Goldberg.....	Parkway.....	Katie Markowsky
	Dr. Goldberg.....	Parkway.....	E. Somerstein
	Dr. Goldberg.....	Parkway.....	Irving Kasper
	Dr. Goldberg.....	Parkway.....	Belle Brown
	Dr. Goldberg.....	Parkway.....	Charles Sabatini
	Dr. Goldberg.....	Parkway.....	Louis Kurts
	Dr. Goldberg.....	Parkway.....	Phineas Wigler
	J. Gaus.....	Parkway.....	Ben Hammermer
	14. Dr. Goldberg.....	Parkway.....	J. Stanaky
	Dr. Goldberg.....	Parkway.....	Mr. Chapowits

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	14. Dr. Goldberg.....	Parkway.....	Geo. Shagot
	Dr. Goldberg.....	Parkway.....	Phineas Wigler
	Dr. Goldberg.....	Parkway.....	Louis Klein
	Dr. Goldberg.....	Parkway.....	Mrs. Smith
	Dr. Goldberg.....	Parkway.....	Harry Rappaport
	Dr. Goldberg.....	Parkway.....	Meador Album
	Dr. Goldberg.....	Parkway.....	M. Hellman
	Dr. Goldberg.....	Parkway.....	Louis Alter
	Dr. Goldberg.....	Parkway.....	Samuel Goldstein
	W. Reiss.....	Parkway.....	Louis Nobler
	W. Reiss.....	Parkway.....	Sam Tottfried
	Dr. Goldberg.....	Parkway.....	A. Mass
	Dr. Goldberg.....	Parkway.....	M. Goodman
	Dr. Goldberg.....	Parkway.....	John Regan
	W. Reiss.....	Parkway.....	Helen Vetter
	15. W. Reiss.....	Parkway.....	Anna Padolaky
	Geo. Marks.....	Parkway.....	Bernard Kraemer
	Dr. Schwartz.....	Parkway.....	Katie Markowsky
	16. W. Reiss.....	Parkway.....	Rose Gnesaka
	W. Reiss.....	Parkway.....	A. Suekoff.
	W. Reiss.....	Parkway.....	N. Cohen
	18. W. Reiss.....	Parkway.....	Ethel Kaplan
	W. Reiss.....	Parkway.....	H. Rosenberg
	W. Reiss.....	Parkway.....	Joseph Lynch
	W. Reiss.....	Parkway.....	Mary Gorosman
	W. Reiss.....	Parkway.....	Joseph Stadtman
	W. Reiss.....	Parkway.....	Geo. Kopelwoits
	J. Gaus.....	Parkway.....	Jermom Herts
	W. Reiss.....	Parkway.....	Eva Berliner
	W. Reiss.....	Parkway.....	John Rats
	19. Al. Alperin.....	Parkway.....	John Guerin
	20. W. Reiss.....	Parkway.....	Geo. Elterman
	W. Reiss.....	Parkway.....	Lillian Smolen
	W. Reiss.....	Parkway.....	Betty Gaus
	W. Reiss.....	Parkway.....	Gertrude Schwartz
	W. Reiss.....	Parkway.....	Ben Fleischer
	W. Reiss.....	Parkway.....	Theodore Saltmieder
	Al. Alperin.....	Parkway.....	Louis Righter
	Al. Alperin.....	Parkway.....	Betty Kalmus
	Al. Alperin.....	Parkway.....	Sam Kahn
	A. Levine.....	Parkway.....	Anna Schwartz
	W. Reiss.....	Parkway.....	Richard Dehibio
	W. Reiss.....	Parkway.....	E. Klein
	W. Reiss.....	Parkway.....	L. Brown
	W. Reiss.....	Parkway.....	L. Gilbert
	W. Reiss.....	Parkway.....	Joseph Bloom
	W. Reiss.....	Parkway.....	Sam Benson
	W. Reiss.....	Parkway.....	Sam Eisman
	W. Reiss.....	Parkway.....	N. Bonnel
	Dr. Goldberg.....	Parkway.....	Geo. Leichtling
	Dr. Goldberg.....	Parkway.....	Sylvia Berlin
	Dr. Goldberg.....	Parkway.....	Monroe Samuels
	W. Reiss.....	Parkway.....	Wm. Cuttner
	J. Gaus.....	Parkway.....	J. Weisfeld
	G. Pollas.....	Parkway.....	Frances Glasser
	G. Pollas.....	Parkway.....	Isidore Scherr
	W. Reiss.....	Parkway.....	N. Schwartz
	21. Dr. Goldberg.....	Parkway.....	Elisabeth Miller
	Dr. Goldberg.....	Parkway.....	Jacob Hammer
	Dr. Goldberg.....	Parkway.....	Jesse Marston

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 21	Dr. Goldberg.....	Parkway.....	H. Pank
	Dr. Goldberg.....	Parkway.....	Miss Brandwein
	John Sherman.....	Parkway.....	Gertrude Kopelowits
	John Sherman.....	Parkway.....	S. Finkelstein
	John Sherman.....	Parkway.....	Ben Shurburg
	Dr. Goldberg.....	Parkway.....	Jack Tartakow
	W. Reiss.....	Parkway.....	M. Simmons
	Dr. Goldberg.....	Parkway.....	S. Beckerman
	Dr. Goldberg.....	Parkway.....	May Seigler
	Dr. Goldberg.....	Parkway.....	F. Hurvits
	Dr. Goldberg.....	Parkway.....	Charles Frank
	Dr. Goldberg.....	Parkway.....	Wm. Heiferman
	Dr. Goldberg.....	Parkway.....	Dr. Kilmus
	Dr. Goldberg.....	Parkway.....	James Copossela
	Dr. Goldberg.....	Parkway.....	Anthony Rosenberg
	Dr. Goldberg.....	Parkway.....	S. Foadhin
	Dr. Goldberg.....	Parkway.....	M. Sperling
	Dr. Goldberg.....	Parkway.....	Selma Arginterna
	Dr. Goldberg.....	Parkway.....	H. Winkler
	Dr. Goldberg.....	Parkway.....	S. Brotmen
	Dr. Goldberg.....	Parkway.....	Frank Brunch
	Dr. Goldberg.....	Parkway.....	Eddie Zinger
	Dr. Goldberg.....	Parkway.....	Joseph Pori
	Dr. Goldberg.....	Parkway.....	L. Nathanson
	Dr. Goldberg.....	Parkway.....	Benj. Helford
	Dr. Goldberg.....	Parkway.....	Sol Rubin
	Dr. Goldberg.....	Parkway.....	Wm. L. Lustgarten
	Dr. Goldberg.....	Parkway.....	Ed. Kluher
	Dr. Goldberg.....	Parkway.....	A. Kaplan
	Dr. Goldberg.....	Parkway.....	L. Frankel
	Dr. Goldberg.....	Parkway.....	W. Goodman
	Dr. Goldberg.....	Parkway.....	Morris Niszman
	Dr. Goldberg.....	Parkway.....	Meyer Aronson
	Dr. Goldberg.....	Parkway.....	Lester Hertenson
	Dr. Goldberg.....	Parkway.....	Murray Baden
	Dr. Goldberg.....	Parkway.....	Moe Harris
	Dr. Goldberg.....	Parkway.....	Daniel Peirce
	W. Reiss.....	Parkway.....	L. Dats
	W. Reiss.....	Parkway.....	E. Pearl
	W. Reiss.....	Parkway.....	Sidney Robert
	W. Reiss.....	Parkway.....	A. Levitt
	W. Reiss.....	Parkway.....	Jack Levenson
	W. Reiss.....	Parkway.....	Mrs. Cohn
	W. Reiss.....	Parkway.....	R. Rosenwasser
	W. Reiss.....	Parkway.....	S. Klaucher
	W. Reiss.....	Parkway.....	Ed. Coleman
	W. Reiss.....	Parkway.....	Mamie Lefkowitz
	W. Reiss.....	Parkway.....	H. Lefkowitz
	W. Reiss.....	Parkway.....	S. Levantals
	Dr. Goldberg.....	Parkway.....	Sarah Shapero
	Dr. Goldberg.....	Parkway.....	Abe Buspiel
	Dr. Goldberg.....	Parkway.....	Wm. Easenberg
	Dr. Goldberg.....	Parkway.....	L. Block
	Dr. Goldberg.....	Parkway.....	Capt. Vardenfeld
	Dr. Goldberg.....	Parkway.....	J. Hurowits
	Dr. Goldberg.....	Parkway.....	Roert Bolling
	Dr. Goldberg.....	Parkway.....	J. Taup
	Dr. Goldberg.....	Parkway.....	J. Agois

PARKWAY

Date 1918	Members rendering "first aid"	Place where	Per one assisted
July 21.	Dr. Goldberg	Parkway	Irving Angul
	Dr. Goldberg	Parkway	Louis Putz
	Dr. Goldberg	Parkway	Floessie Koblitz
	Dr. Goldberg	Parkway	G. Koplowitz
	Dr. Goldberg	Parkway	N. Riegelhoupt
	Dr. Goldberg	Parkway	Murray Cohen
	Dr. Goldberg	Parkway	Hyman Jaskowitz
	Dr. Goldberg	Parkway	C. Epstein
	Dr. Goldberg	Parkway	Mrs. Duggan
	Dr. Goldberg	Parkway	A. Stean
	Dr. Goldberg	Parkway	Joseph Stevenson
	Dr. Goldberg	Parkway	Morris Spiegelman
	Dr. Goldberg	Parkway	Albert Auerban
	Dr. Goldberg	Parkway	Miss Sharp
	Dr. Goldberg	Parkway	Ernest Charwat
	Dr. Goldberg	Parkway	Anna Seelig
	Dr. Goldberg	Parkway	Billy McDonald
23.	Dr. Goldberg	Parkway	Mark Pinner
	Louis Borden	Parkway	Chris Stang
	J. Gaus	Parkway	Ben Peaserman
	J. Gaus	Parkway	Loraine Musil
	J. Gaus	Parkway	Minnie Gollop
	J. Gaus	Parkway	Clifford Cornon
	Surfman Reder	Parkway	S. Goldstein
	Surfman Reder	Parkway	Anna Smith
	Surfman Reder	Parkway	Mr. Blum
	Surfman Reder	Parkway	Rose Stumacher
	Surfman Reder	Parkway	Wm. Gottlieb
	Murray Kreiss	Parkway	Anna Nomasini
	George Marks	Parkway	Joseph Moore
24.	George Marks	Parkway	Gussie Rothman
	George Marks	Parkway	Joseph Rosinsky
	George Marks	Parkway	Theo. Kats
	Louis Baruden	Parkway	Alvin Harper
	Al Alperin	Parkway	Thomas Oliver
	J. Sherman	Parkway	H. Mega
	Louis Borden	Parkway	Sylvia Gold
	Louis Borden	Parkway	Melvin Kleinberg
	J. Sherman	Parkway	Jessie Solomon
	J. Sherman	Parkway	Pearl Abrams
	Louis Baruden	Parkway	Lily Brownstein
	Louis Baruden	Parkway	Dela Susman
	W. Reiss	Parkway	Sam Garber
25.	W. Reiss	Parkway	R. Agria
	W. Reiss	Parkway	Mike Carris
	W. Reiss	Parkway	M. Cravie
	W. Reiss	Parkway	Henry Roth
	W. Reiss	Parkway	M. Windiah
	W. Reiss	Parkway	G. Schapiro
26.	J. Gaus	Parkway	Miss Adele Gruber
	N. Nathan D. D. S.	Parkway	Dr. Nathanson
	J. Gaus	Parkway	John Savoize
	J. Gaus	Parkway	Chas. Schiffman
	J. Gaus	Parkway	Fred Leventhal
	J. Gaus	Parkway	Thomas Ford
	J. Gaus	Parkway	Marion Laudeman
	J. Gaus	Parkway	Fred Silitsky
	J. Gaus	Parkway	M. Grob
27.	W. Reiss	Parkway	M. Levine

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 21.	J. Gaus	Parkway	J. Olshin
	W. Reiss	Parkway	I. Baba
	W. Reiss	Parkway	M. Edelschick
	W. Reiss	Parkway	Francis Ehlich
	Al Alperin	Parkway	Ruth Raymond
	Dr. Goldberg	Parkway	Elias Wallison
	W. Reiss	Parkway	I. Singer
	W. Reiss	Parkway	Walter Neibart
	W. Reiss	Parkway	Pricilla Roten
	W. Reiss	Parkway	L. Blivise
	W. Reiss	Parkway	Maurice Rosenberg
	W. Reiss	Parkway	S. Reisner
	W. Reiss	Parkway	Sam Silverman
	W. Reiss	Parkway	Fritzi Epstein
	W. Reiss	Parkway	I. Inhorne
	W. Reiss	Parkway	D. Edeman
	W. Reiss	Parkway	R. Grossman
	W. Reiss	Parkway	R. Greene
	W. Reiss	Parkway	R. Goldstein
	Dr. Goldberg	Parkway	Beatrice Leanord
	Dr. Goldberg	Parkway	H. Reid
	Dr. Goldberg	Parkway	Andrew Goodman
	Dr. Goldberg	Parkway	Alberta Miller
	Dr. Goldberg	Parkway	Morris Fine
	Dr. Goldberg	Parkway	Irving Sobel
	27. W. Reiss	Parkway	Irving Sobel
	W. Reiss	Parkway	Lewis Samuels
	W. Reiss	Parkway	Max Rosen
	W. Reiss	Parkway	Hattie Eisenberg
	W. Reiss	Parkway	S. Cassell
	W. Reiss	Parkway	Anna Herdenkerg
	Dr. Goldberg	Parkway	Sarah Hyman
	Dr. Goldberg	Parkway	Frank Marston
	Dr. Goldberg	Parkway	Nathan Goldsand
	Dr. Goldberg	Parkway	L. Piker
	Dr. Goldberg	Parkway	Hannah Langer
	Dr. Goldberg	Parkway	M. Perlman
	28. Dr. Goldberg	Parkway	Samuel Coplesey
	Dr. Goldberg	Parkway	J. J. Wenblatt
	Dr. Goldberg	Parkway	Jacob Schwartz
	Dr. Goldberg	Parkway	Jack Romaine
	Dr. Goldberg	Parkway	Henry Lindey
	Dr. Goldberg	Parkway	Albert Smith
	Dr. Goldberg	Parkway	Robert Herman
	Dr. Goldberg	Parkway	Herbert Lindenbaum
	Dr. Goldberg	Parkway	Harry Racey
	Dr. Goldberg	Parkway	O. Schwartz
	Dr. Goldberg	Parkway	Sam Riesner
	Dr. Goldberg	Parkway	Jack Lveine
	Dr. Goldberg	Parkway	Joseph Shapiro
	Dr. Goldberg	Parkway	Milton Greenblatt
	Dr. Goldberg	Parkway	Samuel Grossman
	Dr. Goldberg	Parkway	David Schaefer
	Dr. Goldberg	Parkway	Clarence Kaufman
	Dr. Goldberg	Parkway	Rose Sitoron
	Dr. Goldberg	Parkway	Harry Caro
	Dr. Goldberg	Parkway	V. Latimer
	Dr. Goldberg	Parkway	M. Simmons
	Dr. Goldberg	Parkway	Julia Emanuel
	Dr. Goldberg	Parkway	Israel Goldstein

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July 28.	Dr. Goldberg	Parkway	E. Rosenberg
	Dr. Goldberg	Parkway	S. Kans
	Dr. Goldberg	Parkway	F. Hirahokowits
	Dr. Goldberg	Parkway	Louis Davis
	Dr. Goldberg	Parkway	Sadie Deubach
	Dr. Goldberg	Parkway	J. Woldeon
	Dr. Goldberg	Parkway	Sam Zietelbaum
	Dr. Goldberg	Parkway	M. Makofaky
	Dr. Goldberg	Parkway	Louis Hoffman
	Dr. Goldberg	Parkway	Max Harbenberg
	Dr. Goldberg	Parkway	Louis Sommer
	Dr. Goldberg	Parkway	S. Chadwick
	Dr. Goldberg	Parkway	Samuel Rieberman
	Dr. Goldberg	Parkway	Irving Goldstein
	Dr. Goldberg	Parkway	Harry Friedman
	Dr. Goldberg	Parkway	Barbara Kute
	Dr. Goldberg	Parkway	I. Adler
	Dr. Goldberg	Parkway	Morris Schabit
	Dr. Goldberg	Parkway	Edward Shapiro
	Dr. Goldberg	Parkway	Jos Carmel
	Dr. Goldberg	Parkway	Fay Herschkowits
	Dr. Goldberg	Parkway	Fanny Hurtwits
	Dr. Goldberg	Parkway	Wm. Harris
	Wm. Reiss	Parkway	Samuel Liverbch
	Wm. Reiss	Parkway	Joe Fahn
	Wm. Reiss	Parkway	D. Schwartz
	Wm. Reiss	Parkway	Abe Myers
	Wm. Reiss	Parkway	H. Weil
	Wm. Reiss	Parkway	Harry Weinstein
	Wm. Reiss	Parkway	A. Fischer
	Wm. Reiss	Parkway	Jack Levy
	Wm. Reiss	Parkway	Geo. Gross
	Wm. Reiss	Parkway	John Massime
	Wm. Reiss	Parkway	Sam Weidberg
	Wm. Reiss	Parkway	H. Levine
	Wm. Reiss	Parkway	Al Levine
	Wm. Reiss	Parkway	Nat Newman
	Wm. Reiss	Parkway	I. Losep
	Wm. Reiss	Parkway	Anna Nathanson
	Wm. Reiss	Parkway	H. Morris
	Wm. Reiss	Parkway	E. Singer
	Wm. Reiss	Parkway	Siegfried Eichenwald
	Wm. Reiss	Parkway	Sol Levy
	Wm. Reiss	Parkway	William Buskirk
	Wm. Reiss	Parkway	Pauline Hittnet
	Wm. Reiss	Parkway	M. Boilstein
	W. Reiss	Parkway	A. Schoenfeld
	W. Reiss	Parkway	Herbert Oriants
	W. Reiss	Parkway	A. Meyers
	Jerry Borden	Parkway	A. Sorg
	Jerry Borden	Parkway	Isidore Despin
	Jerry Borden	Parkway	Dora Glaesman
	Surfman Roder	Parkway	Abe Levine
	Surfman Roder	Parkway	Sam Weitsman
29.	Capt. Sherman	Parkway	I. Grossman
	Capt. Sherman	Parkway	June Kaufman
	H. Sabine	Parkway	Herman Lubeky
	S. Hausman	Parkway	I. Freedberg
	S. Hausman	Parkway	Jessie Levy
	J. Gaus	Parkway	J. Schomberg

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	28. L. Levinson.....	Parkway.....	M. Karols
	H. Sabine.....	Parkway.....	J. Schomberg
	30. J. Gaus.....	Parkway.....	Sol Rudes
	J. Gaus.....	Parkway.....	J. Schwartz
	J. Gaus.....	Parkway.....	Fannie Weissman
	31. Geo. Pallas.....	Parkway.....	Leo Dwyer
	J. Gaus.....	Parkway.....	Clara Lampe
Aug.	1. Geo. Pallas.....	Parkway.....	Abe Joshberg
	Geo. Pallas.....	Parkway.....	Maxmillian Madarsky
	J. Gaus.....	Parkway.....	A. Kreuter
	J. Gaus.....	Parkway.....	Benj. Leisig
	2. W. Reiss.....	Parkway.....	M. Lee
	W. Reiss.....	Parkway.....	M. Diamond
	W. Reiss.....	Parkway.....	A. Weich
	W. Reiss.....	Parkway.....	Charles Becher
	W. Reiss.....	Parkway.....	M. Marks
	W. Reiss.....	Parkway.....	Geo. Swetlow
	W. Reiss.....	Parkway.....	J. Kane
	W. Reiss.....	Parkway.....	Arthur Montague
	W. Reiss.....	Parkway.....	J. Trineal
	W. Reiss.....	Parkway.....	S. Finkelstein
	3. Dr. Goldberg.....	Parkway.....	Emuel Siegel
	Dr. Goldberg.....	Parkway.....	Mike Cares
	Dr. Goldberg.....	Parkway.....	John Bidley
	Dr. Goldberg.....	Parkway.....	Lena Cohen
	Dr. Goldberg.....	Parkway.....	Alex Templin
	Dr. Goldberg.....	Parkway.....	Philip Susakin
	Dr. Goldberg.....	Parkway.....	Stanley Dickinson
	Al. Alperin.....	Parkway.....	Harry Byers
	Al. Alperin.....	Parkway.....	L. Bloom
	Al. Alperin.....	Parkway.....	M. Kantor
	Geo. Marks.....	Parkway.....	Cy Makes
	4. Dr. Goldberg.....	Parkway.....	Geo. Ztakowits
	Dr. Goldberg.....	Parkway.....	Richard Title
	Dr. Goldberg.....	Parkway.....	R. Kabane
	Dr. Goldberg.....	Parkway.....	Harry Cantor
	Dr. Goldberg.....	Parkway.....	Henry Weiss
	Dr. Goldberg.....	Parkway.....	Jack Fink
	Dr. Goldberg.....	Parkway.....	J. Schoits
	Dr. Goldberg.....	Parkway.....	Sylvia Haver
	Dr. Goldberg.....	Parkway.....	L. Sperling
	Dr. Goldberg.....	Parkway.....	Gladys Stlert
	Dr. Goldberg.....	Parkway.....	Alex Eltihowits
	Dr. Goldberg.....	Parkway.....	Jack Fried
	Dr. Goldberg.....	Parkway.....	J. Marks
	Dr. Goldberg.....	Parkway.....	Louis Cohen
	Dr. Goldberg.....	Parkway.....	L. Bronstein
	Dr. Goldberg.....	Parkway.....	Charles Garaskof
	Dr. Goldberg.....	Parkway.....	S. Kausel
	Dr. Goldberg.....	Parkway.....	A. Zobus
	Dr. Goldberg.....	Parkway.....	Israel Yates
	Dr. Goldberg.....	Parkway.....	Leo Plant
	Dr. Goldberg.....	Parkway.....	Louis Rosenberg
	Commodore Blogg.....	Parkway.....	J. Schindeler
	Commodore Blogg.....	Parkway.....	Sophie Friedman
	Commodore Blogg.....	Parkway.....	J. Winter
	Commodore Blogg.....	Parkway.....	Helen Brown
	Commodore Blogg.....	Parkway.....	William Citron
	J. Nadel.....	Parkway.....	Paul Silverman
	H. Sabine.....	Parkway.....	John Davis

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	5. Commodore Blogg.....	Parkway.....	Irvy Baron
	Commodore Blogg.....	Parkway.....	A. Lebowitz
	Commodore Blogg.....	Parkway.....	Anthony Savaroff
	Robert Blogg.....	Parkway.....	Jack Ross
	Murray Romer.....	Parkway.....	William Rosinzivieg
	Jerry Barudin.....	Parkway.....	L. Goldstein
	Jerry Barudin.....	Parkway.....	I. Sobel
	Jerry Barudin.....	Parkway.....	Abe Levy
	6. L. Levinson.....	Parkway.....	B. Maucha
	L. Levinson.....	Parkway.....	Alfred Heismar
	L. Levinson.....	Parkway.....	Harry Schwartz
	L. Levinson.....	Parkway.....	Augusta Hambery
	L. Levinson.....	Parkway.....	D. Speechman
	L. Levinson.....	Parkway.....	J. Alheimer
	L. Levinson.....	Parkway.....	George Asber
	L. Levinson.....	Parkway.....	H. Lippman
	L. Levinson.....	Parkway.....	S. Minkowits
	L. Levinson.....	Parkway.....	Walter Feind
	Robert Blogg.....	Parkway.....	Henry Oshin
	Robert Blogg.....	Parkway.....	Mrs. A. Snyder
	Robert Blogg.....	Parkway.....	Walter Jacobson
	Robert Blogg.....	Parkway.....	Rose Berkowits
	Robert Blogg.....	Parkway.....	B. Feder
	Robert Blogg.....	Parkway.....	A. Hillman
	Robert Blogg.....	Parkway.....	Dr. Shapiro
	W. Reiss.....	Parkway.....	Martin Gottlieb
	J. Gaus.....	Parkway.....	Howard Werazy
	J. Gaus.....	Parkway.....	Annie Speeler
	Geo. Marks.....	Parkway.....	Pearl Lieber
	Geo. Marks.....	Parkway.....	Bessie McAree
	Geo. Marks.....	Parkway.....	Essie Blumenthal
	Dr. Goldberg.....	Parkway.....	J. Harowits
	Dr. Goldberg.....	Parkway.....	Nathan Markowits
	J. Nadel.....	Parkway.....	Harry Hirschkowits
	J. Nadel.....	Parkway.....	D. Blum
	J. Nadel.....	Parkway.....	A. Walker
	J. Nadel.....	Parkway.....	Max Leight
	J. Nadel.....	Parkway.....	Mrs. Sharacker
	Sigmund Brumel.....	Parkway.....	Harry Pinone
	S. F. Hausman.....	Parkway.....	Sol Dornstein
	7. Wm. Reiss.....	Parkway.....	Jack Storch
	Wm. Reiss.....	Parkway.....	Abe Bresack
	Wm. Reiss.....	Parkway.....	Ann Berkowits
	Wm. Reiss.....	Parkway.....	Benjamin Levy
	Wm. Reiss.....	Parkway.....	Morris Stang
	Wm. Reiss.....	Parkway.....	Samuel Lieberman
	Wm. Reiss.....	Parkway.....	Milton Rosenberg
	Wm. Reiss.....	Parkway.....	Frances Credel
	Wm. Reiss.....	Parkway.....	Herman Podolsky
	Wm. Reiss.....	Parkway.....	Frances Termunello
	Wm. Reiss.....	Parkway.....	Joseph Pearlstone
	Wm. Reiss.....	Parkway.....	David Lowenkron
	Wm. Reiss.....	Parkway.....	Daniel Cassell
	Wm. Reiss.....	Parkway.....	Bessie Podolsky
	Wm. Reiss.....	Parkway.....	Fanny Barnish
	Wm. Reiss.....	Parkway.....	Emanuel Weinstein
	Wm. Reiss.....	Parkway.....	L. Chasmen
	Wm. Reiss.....	Parkway.....	Issac Neibart
	Wm. Reiss.....	Parkway.....	M. Friahan
	W. Reiss.....	Parkway.....	B. Feingold

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	7. W. Reiss	Parkway	Charles Feist
	W. Reiss	Parkway	Morris Wies
	W. Reiss	Parkway	Sylvan White
	W. Reiss	Parkway	Wm. Green
	W. Reiss	Parkway	R. Mindelson
	W. Reiss	Parkway	J. Horowitz
	W. Reiss	Parkway	Morris Weber
	W. Reiss	Parkway	A. Weinberg
	W. Reiss	Parkway	Jack Leban
	W. Reiss	Parkway	Mollie Elkind
	W. Reiss	Parkway	Herbert Barnett
	W. Reiss	Parkway	H. Frankel
	W. Reiss	Parkway	Jack Kapman
	W. Reiss	Parkway	J. Levine
	W. Reiss	Parkway	N. Verozub
	Robert Blogg	Parkway	Celia Cohen
	Robert Blogg	Parkway	Harry Kreindels
	Robert Blogg	Parkway	Noah Freilicher
	Robert Blogg	Parkway	Harry Shakun
	Robert Blogg	Parkway	Richard Turner
	Jack Gaus	Parkway	Henry Vort
	Al. Alperin	Parkway	John Pacagmina
	Al. Alperin	Parkway	Jack Diamond
	J. Nadel	Parkway	Max Moslish
	J. Nadel	Parkway	Max Moslish
	John Sherman	Parkway	Nathan Amis
8.	Robert Blogg	Parkway	Dan Berkowitz
	Robert Blogg	Parkway	Hortense Kallman
	Robert Blogg	Parkway	Herbert Fried
	Robert Blogg	Parkway	M. Jackson
	Robert Blogg	Parkway	Morris Weber
	Robert Blogg	Parkway	Helen Fillar
	Robert Blogg	Parkway	Max Greenberg
	Robert Blogg	Parkway	Lilly Wasser
	Robert Blogg	Parkway	Morris Hessel
	Robert Blogg	Parkway	Bernard Belakin
	Robert Blogg	Parkway	Archie Abramson
	Robert Blogg	Parkway	E. Wondesset
	Robert Blogg	Parkway	A. M. Kessler
	Robert Blogg	Parkway	Al. Feldman
	Robert Blogg	Parkway	H. Panoff
	Robert Blogg	Parkway	J. Raberoff
	Geo. Marks	Parkway	Dorothy Reynolds
	Geo. Marks	Parkway	J. Margolin
	Geo. Marks	Parkway	Sam Adler
	Geo. Marks	Parkway	Jessie Levine
	J. Marks	Parkway	Leo Federman
	J. Nadel	Parkway	Mrs. Glaser
	J. Nadel	Parkway	June Kaufman
	J. Nadel	Parkway	Mrs. Kaufman
	J. Nadel	Parkway	Manuel Kaufman
	L. Levinson	Parkway	Alex Tempchin
	L. Levinson	Parkway	Irving Morris
	L. Levinson	Parkway	H. Robins
	L. Levinson	Parkway	Louis Oberlander
	W. Reiss	Parkway	Ben Yellin
	W. Reiss	Parkway	M. Brelau
	W. Reiss	Parkway	Geo. Itsokowits
	Dr. Goldberg	Parkway	Max Karnell
	Dr. Goldberg	Parkway	Louis Sporting

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	8. J. Gaus	Parkway	M. Shapiro
	J. Gaus	Parkway	S. Alasara
	9. R. Blogg	Parkway	Benjamin Werner
	R. Blogg	Parkway	Samuel Wallack
	R. Blogg	Parkway	Mrs. A. Wallack
	R. Blogg	Parkway	Helen Menuecke
	R. Blogg	Parkway	Dr. D. Davis
	R. Blogg	Parkway	Norman Frasco
	Moe Stuart	Parkway	Edith O'Malley
	Moe Stuart	Parkway	Bernard Levenson
	Moe Stuart	Parkway	John Shilling
	Moe Stuart	Parkway	Ben Berband
	Moe Stuart	Parkway	Private L. Goodfried
	Moe Stuart	Parkway	David Grossman
	Moe Stuart	Parkway	Louis Kaufman
	Moe Stuart	Parkway	Alfred Babushkin
	W. Reiss	Parkway	Bertram Michelson
	W. Reiss	Parkway	J. Schiffman
	W. Reiss	Parkway	Dr. A. Goldstein
	W. Reiss	Parkway	L. Levinson
	W. Reiss	Parkway	Sam Leventhal
	J. Nadel	Parkway	Mildred Lieber
	J. Nadel	Parkway	Anna Rothman
	S. Brumel	Parkway	I. Povalin
	S. Brumel	Parkway	Sylvia Wasserman
	H. Sabin	Parkway	Nathan Jacker
	Al. Alperin	Parkway	Amelia Heppenheimer
	10. Dr. Goldberg	Parkway	F. Roplinaky
	Dr. Goldberg	Parkway	Chas. Smith
	11. Dr. Goldberg	Parkway	Bess Eisenberger
	Dr. Goldberg	Parkway	Abram Schechter
	Dr. Goldberg	Parkway	Nettie Herkowitz
	Dr. Goldberg	Parkway	Eva Cohen
	Dr. Goldberg	Parkway	Heater Corson
	Dr. Goldberg	Parkway	Rodin Roy
	R. Blogg	Parkway	Martin Kotel
	Dr. Goldberg	Parkway	Jack Schichter
	Dr. Goldberg	Parkway	O. Schwartz
	Dr. Goldberg	Parkway	B. Goldstein
	Dr. Goldberg	Parkway	J. Abramson
	Dr. Goldberg	Parkway	Sam Bernstein
	Dr. Goldberg	Parkway	Alex Zurehan
	Dr. Goldberg	Parkway	Sam Levine
	L. Levinson	Parkway	I. Smith
	12. L. Levinson	Parkway	A. Steinberg
	L. Levinson	Parkway	H. Berry
	L. Levinson	Parkway	Jenny Salsman
	L. Levinson	Parkway	Rebecca Mendelowitz
	L. Levinson	Parkway	M. Feilschuss
	L. Levinson	Parkway	Mr. Muhlausen
	L. Levinson	Parkway	M. Paaner
	13. L. Levinson	Parkway	P. F. Grossman
	L. Levinson	Parkway	B. Hefman
	L. Levinson	Parkway	M. Cassel
	L. Levinson	Parkway	E. Okin
	L. Levinson	Parkway	S. L. Casson
	L. Levinson	Parkway	G. Belth
	Moe Staub	Parkway	Jennie Cronin
	Moe Staub	Parkway	Mona Delaphore
	Moe Staub	Parkway	William Hallander

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	13. Moe Staub	Parkway	Arthur Silverstein
	Moe Staub	Parkway	Celia Holzman
	S. Hausman	Parkway	Martin Aleshirer
	14. L. Levinson	Parkway	M. Wittinberg
	L. Levinson	Parkway	R. Ruitach
	L. Levinson	Parkway	A. Goldstein
	L. Levinson	Parkway	M. Brandt
	L. Levinson	Parkway	S. Reich
	S. Hausman	Parkway	Frank Philips
	S. Hausman	Parkway	Julia Schney
	J. Gaus	Parkway	Geo. Wexler
	J. Gaus	Parkway	Bessie Crobowitz
	Harry Schneider	Parkway	George Burns
	Leo Kudish	Parkway	Gertrude Ruben
	Leo Kudish	Parkway	Geo. Grufter
	15. L. Levinson	Parkway	H. Kline
	L. Levinson	Parkway	H. Lubin
	L. Levinson	Parkway	J. Friedlander
	L. Levinson	Parkway	I. Ruhinson
	L. Levinson	Parkway	L. Braunstein
	L. Levinson	Parkway	R. Kennedy
	Moe Staub	Parkway	Rose Shamus
	Moe Staub	Parkway	Fae Billowitz
	J. Gaus	Parkway	David Deneroff
	J. Gaus	Parkway	Alfred Babushin
	16. L. Levinson	Parkway	H. Haubholm
	L. Levinson	Parkway	R. Grossman
	L. Levinson	Parkway	I. Goldin
	L. Levinson	Parkway	R. Ziwel
	L. Levinson	Parkway	Harry Shapiro
	L. Levinson	Parkway	O. Nelson
	L. Levinson	Parkway	E. Oltman
	L. Levinson	Parkway	Arthur Simons
	L. Levinson	Parkway	C. Glasser
	L. Levinson	Parkway	J. Horowitz
	L. Levinson	Parkway	L. Lais
	L. Levinson	Parkway	B. Miller
	L. Levinson	Parkway	D. Wolymay
	L. Levinson	Parkway	M. E. Eltenberg
	L. Levinson	Parkway	W. Mettle
	J. Nadel	Parkway	Ralph Kushin
	J. Nadel	Parkway	Eva Blumenfeld
	W. Reiss	Parkway	S. Fingelstein
	17. W. Reiss	Parkway	A. Gottlerer
	W. Reiss	Parkway	L. Willinger
	W. Reiss	Parkway	Mildred Petroman
	W. Reiss	Parkway	Hugh Grant
	W. Reiss	Parkway	A. Jacobson
	W. Reiss	Parkway	E. Rotschild
	W. Reiss	Parkway	Walter Goldberg
	S. Brumel	Parkway	Samuel Epstein
	L. Levinson	Parkway	Louis Baumgarten
	18. Dr. Goldberg	Parkway	Morris Kessler
	Dr. Goldberg	Parkway	Louis Cohen
	Dr. Goldberg	Parkway	Dave Grozman
	Dr. Goldberg	Parkway	Mr. Friedland
	Dr. Goldberg	Parkway	Gertrude Rubin
	Dr. Goldberg	Parkway	Matty Constantine
	Dr. Goldberg	Parkway	May Roth
	Dr. Goldberg	Parkway	Bertha Gillman

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug. 18.	Dr. Goldberg.....	Parkway.....	R. R. Dickson
	Dr. Goldberg.....	Parkway.....	Sam Bernstein
	Dr. Goldberg.....	Parkway.....	W. B. Kinsley
	Dr. Goldberg.....	Parkway.....	I. Wilder
	Dr. Goldberg.....	Parkway.....	Mr. Kaplan
	Dr. Goldberg.....	Parkway.....	Jennie Simpson
	Dr. Goldberg.....	Parkway.....	Grace Levine
	Dr. Goldberg.....	Parkway.....	Benj. Doraskind
	Dr. Goldberg.....	Parkway.....	Berry
	Dr. Goldberg.....	Parkway.....	Isidore Levey
	Dr. Goldberg.....	Parkway.....	Morris Green
	Dr. Goldberg.....	Parkway.....	Ida Kabrin
	Dr. Goldberg.....	Parkway.....	Max Klein
	Dr. Goldberg.....	Parkway.....	Jack Schichter
	Dr. Goldberg.....	Parkway.....	Herman Kaden
	Dr. Goldberg.....	Parkway.....	J. Weiner
20.	L. Levinson.....	Parkway.....	L. Marens
	L. Levinson.....	Parkway.....	J. Herman
	L. Levinson.....	Parkway.....	M. Stramer
	W. Reiss.....	Parkway.....	E. Martin
	J. Sherman.....	Parkway.....	Joe Briderman
21.	J. Sherman.....	Parkway.....	Edith Fidler
	J. Gaus.....	Parkway.....	James Dumas
23.	L. Levinson.....	Parkway.....	Ch. Fox
	L. Levinson.....	Parkway.....	Ehrlick William
	L. Levinson.....	Parkway.....	B. Weisberg
	L. Levinson.....	Parkway.....	M. Kisteman
	L. Levinson.....	Parkway.....	M. Silverstein
	L. Levinson.....	Parkway.....	E. McCaffrey
	L. Levinson.....	Parkway.....	A. Witson
	L. Levinson.....	Parkway.....	Helen Mathason
	J. Sherman.....	Parkway.....	Jesse Freeman
	H. Model.....	Parkway.....	Wm. Ramis
24.	J. Sherman.....	Parkway.....	Paul Phillips
	J. Sherman.....	Parkway.....	Miss Finkleon
	J. Sherman.....	Parkway.....	Leo Seagel
	L. Levinson.....	Parkway.....	N. K. Kline
	L. Levinson.....	Parkway.....	N. Steinberg
	C. Murray.....	Parkway.....	Albert Draufman
	L. Levinson.....	Parkway.....	J. Feit
	Geo. Marks.....	Parkway.....	Herman Goldstein
	J. Sherman.....	Parkway.....	Philip Hoffman
	L. Levinson.....	Parkway.....	C. Blumenthal
	Dr. Goldberg.....	Parkway.....	Ruth Dixon
	Dr. Goldberg.....	Parkway.....	Tini Ritis
	Dr. Goldberg.....	Parkway.....	Fertinand Rage
	Dr. Goldberg.....	Parkway.....	Rose Baer
	Dr. Goldberg.....	Parkway.....	E. H. Stark
	Dr. Goldberg.....	Parkway.....	Adele Bartels
	Dr. Goldberg.....	Parkway.....	Nat Brussel
	L. Levinson.....	Parkway.....	L. Blaum
	L. Levinson.....	Parkway.....	Jack Beanstine
25.	Dr. Goldberg.....	Parkway.....	Ph Chiara
	Dr. Goldberg.....	Parkway.....	Abe Freedman
	Dr. Goldberg.....	Parkway.....	C. P. Kurnitaky
	Dr. Goldberg.....	Parkway.....	J. Mudick
	Dr. Goldberg.....	Parkway.....	J. Reisman
	Dr. Goldberg.....	Parkway.....	Sam Roethal
	Dr. Goldberg.....	Parkway.....	N. P. Wassenstein
	Dr. Goldberg.....	Parkway.....	Elsie Nick

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug. 35.	Dr. Goldberg.....	Parkway.....	Pt. Rodin
	Dr. Goldberg.....	Parkway.....	Nettie Herskowitz
	Dr. Goldberg.....	Parkway.....	Geo. Novins
	Dr. Goldberg.....	Parkway.....	Private J. Merson
	Dr. Goldberg.....	Parkway.....	Morris Ekmar
	Dr. Goldberg.....	Parkway.....	Joseph Rosen
	Dr. Goldberg.....	Parkway.....	Edd Mayer
	Dr. Goldberg.....	Parkway.....	M. Shear
	Dr. Goldberg.....	Parkway.....	S. Keapar
	Dr. Goldberg.....	Parkway.....	Delia Phychra
	Dr. Goldberg.....	Parkway.....	Lillie Barmstein
	Dr. Goldberg.....	Parkway.....	L. Kroll
	Dr. Goldberg.....	Parkway.....	Leon Schelfsky
	Dr. Goldberg.....	Parkway.....	F. Flynn
	Dr. Goldberg.....	Parkway.....	Myer Degofcoft
	Dr. Goldberg.....	Parkway.....	L. Bronstin
	Dr. Goldberg.....	Parkway.....	J. Axallas
	Dr. Goldberg.....	Parkway.....	N. B. Magida
	Dr. Goldberg.....	Parkway.....	L. Fox
	Dr. Goldberg.....	Parkway.....	J. Werfer
	Dr. Goldberg.....	Parkway.....	J. Staub
	Dr. Goldberg.....	Parkway.....	Rose Feltman
	Dr. Goldberg.....	Parkway.....	Diana Kemp
	Dr. Goldberg.....	Parkway.....	Jack Reias
	Dr. Goldberg.....	Parkway.....	M. Goldberg
	Dr. Goldberg.....	Parkway.....	Isadore Bassit
	Dr. Goldberg.....	Parkway.....	L. Ruskin
	Dr. Goldberg.....	Parkway.....	Sadie Ford
	Dr. Goldberg.....	Parkway.....	B. Merkin
	Dr. Goldberg.....	Parkway.....	Rob Yusen
	Dr. Goldberg.....	Parkway.....	Anna Weingarten

TWENTY-SEVENTH STREET

June 30.	Wm. Haynia.....	27th Street.....	Frank Schelse
July 3.	Wm. Haynia.....	27th Street.....	H. Fenstehein
7.	Wm. Coogan.....	27th Street.....	Not known
	Wm. Coogan.....	27th Street.....	Frank Smith
	Wm. Coogan.....	27th Street.....	Not known
	Wm. Coogan.....	27th Street.....	Joe Movelli
	Wm. Coogan.....	27th Street.....	Chas. Brown
	Wm. Coogan.....	27th Street.....	A. Susskind
21.	W. Haynia.....	27th Street.....	Chas. Norris
	W. Haynia.....	27th Street.....	Not known
	Wm. Coogan.....	27th Street.....	James Carroll
22.	Wm. Haynia.....	27th Street.....	E. Jacobson
	Wm. Haynia.....	27th Street.....	Ruth Friedland
	Wm. Coogan.....	27th Street.....	H. Schults
23.	John Delgasin.....	27th Street.....	C. Beechell
	John Delgasin.....	27th Street.....	Eddie Koutrie
	William Coogan.....	27th Street.....	Eddie Mayo
	William Coogan.....	27th Street.....	Charles Mooney
	William Coogan.....	27th Street.....	Charles Bloom
24.	William Haynia.....	27th Street.....	Al Caton
	William Haynia.....	27th Street.....	H. Slater
26.	William Haynia.....	27th Street.....	Fred Brandt
	William Haynia.....	27th Street.....	D. Goldman
28.	John Delgasin.....	27th Street.....	Joe Bassimir
	William Coogan.....	27th Street.....	James Woods
	William Coogan.....	27th Street.....	Charles Brooks

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	28. William Coogan.....	27th Street.....	Fred Johnson
	William Coogan.....	27th Street.....	Frank Kramer
	William Coogan.....	27th Street.....	Charles Smith
	William Haynia.....	27th Street.....	Ruth Rosenberg
	William Haynia.....	27th Street.....	Milton Fiechel
Aug.	29. John Delgasin.....	27th Street.....	J. A. Phalin
	William Coogan.....	27th Street.....	James Hardy
	William Coogan.....	27th Street.....	Vincent Ryan
	4. William Haynia.....	27th Street.....	P. Schwartz
	6. William Coogan.....	27th Street.....	James Smith
	Lew Levy.....	27th Street.....	B. Boyorton
	William Haynia.....	27th Street.....	J. Weber.
	William Haynia.....	27th Street.....	Jake Abrusso
	William Haynia.....	27th Street.....	J. Meyer
	William Haynia.....	27th Street.....	A. Levy
	William Haynia.....	27th Street.....	A. Kleisel
	William Coogan.....	27th Street.....	Jack Stein
	Lew Levy.....	27th Street.....	Morris Aeber
	8. Lew Levy.....	27th Street.....	Mr. Newman
	Lew Levy.....	27th Street.....	Mrs. Weintraub
	Lew Levy.....	27th Street.....	R. Rabinowits
	9. William Coogan.....	27th Street.....	Charles Kanks
	William Haynia.....	27th Street.....	A. Wallis
	William Haynia.....	27th Street.....	S. Hamburger
	William Haynia.....	27th Street.....	Tillie Klepper
	William Haynia.....	27th Street.....	Joseph Rockowits
	10. William Coogan.....	27th Street.....	Estelle Parker
	William Haynia.....	27th Street.....	John Lyon
	11. William Haynia.....	27th Street.....	N. Solomon
	12. William Haynia.....	27th Street.....	James Height
	William Haynia.....	27th Street.....	Joe Brown
	13. William Haynia.....	27th Street.....	M. Fisher
	William Haynia.....	27th Street.....	Frank Kramer
	William Haynia.....	27th Street.....	Mamie Cantor
	William Haynia.....	27th Street.....	A. Langman
	14. William Haynia.....	27th Street.....	Jacob Bernstein
	William Haynia.....	27th Street.....	Joe Jacobson
	William Coogan.....	27th Street.....	Charles Kats
	William Coogan.....	27th Street.....	Jake Cohen
	William Coogan.....	27th Street.....	Betty Mullin
	William Coogan.....	27th Street.....	Joe Smith
	15. William Haynia.....	27th Street.....	Joe Peters
	William Haynia.....	27th Street.....	Israel Dall
	16. William Coogan.....	27th Street.....	Unknown
	18. William Haynia.....	27th Street.....	A. Brook
	21. William Haynia.....	27th Street.....	Joe Estrin
	William Haynia.....	27th Street.....	George Delgasin
	William Haynia.....	27th Street.....	William Gerlang
	William Haynia.....	27th Street.....	T. Brelow
	William Haynia.....	27th Street.....	Unknown
	22. William Haynia.....	27th Street.....	William Rhoder
	William Haynia.....	27th Street.....	Sam Cohen
	23. William Haynia.....	27th Street.....	Irving Bloom
	24. William Haynia.....	27th Street.....	Irving Bloom
	William Coogan.....	27th Street.....	Unknown
	25. Wm. Haynia.....	27th Street.....	James Hayes
	Wm. Haynia.....	27th Street.....	Chas. Snyder
	28. Wm. Haynia.....	27th Street.....	Wm. Cooper

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug. 38.	Wm. Haynis.....	27th Street.....	Wm. Brown
	Wm. Coogan.....	27th Street.....	Unknown
	Wm. Coogan.....	27th Street.....	Unknown
Sept. 1.	Wm. Haynis.....	27th Street.....	Lew Levine
	Wm. Haynis.....	27th Street.....	Lew Simon
	Wm. Haynis.....	27th Street.....	Wm. Silver

THALLS

July	4. J. Bates.....	Thalls.....	Fred Thall
	R. Melville.....	Thalls.....	F. Webb
	7. R. Melville.....	Thalls.....	Wm. Hall
	J. Bates.....	Thalls.....	Ernest Hortaman
	J. Bates.....	Thalls.....	Geo. Sullivan
	C. Schaumann.....	Thalls.....	John Brobet
14.	J. Bates.....	Thalls.....	John Muske
	R. Novarine.....	Thalls.....	Mr. Naylor
	R. Melville.....	Thalls.....	Mrs. Hevia
	R. Melville.....	Thalls.....	David Kilgour
16.	R. Novarine.....	Thalls.....	Al. Lekin
20.	C. Schaumann.....	Thalls.....	John Brobet
	C. Schaumann.....	Thalls.....	James Dodel
	L. Helwig.....	Thalls.....	Vincent Guahre
	L. Helwig.....	Thalls.....	Charles Swartwont
	L. Helwig.....	Thalls.....	Myron Beil
	L. Helwig.....	Thalls.....	James Dodel
21.	J. Bates.....	Thalls.....	Thomas Duhamel
	L. Helwig.....	Thalls.....	Vincent Guahre
	23. R. Novarine.....	Thalls.....	Ellis Steffin
26.	C. Schaumann.....	Thalls.....	M. Charnwell
27.	H. Shenton.....	Thalls.....	Joe McGreevy
	L. Helwig.....	Thalls.....	Joseph Cull
	R. Novarine.....	Thalls.....	James Corlies
28.	R. Melville.....	Thalls.....	Joseph Glass
	L. Helwig.....	Thalls.....	Henry Oechmann
	R. Novarine.....	Thalls.....	M. Wolfson
	R. Novarine.....	Thalls.....	P. T. Hand
	R. Novarine.....	Thalls.....	Lee Nichols
Aug. 4.	R. Melville.....	Thalls.....	Thomas Maufredo
	5. R. Melville.....	Thalls.....	Frank Talbot
	7. R. Melville.....	Thalls.....	Louis Lavis
	R. Melville.....	Thalls.....	Chas. Muskowots
13.	R. Melville.....	Thalls.....	Cornelius McGinnity
14.	R. Melville.....	Thalls.....	Elsie Sewart
15.	R. Melville.....	Thalls.....	A. S. Schiano
16.	R. Melville.....	Thalls.....	Curtis Zimmermann
	R. Melville.....	Thalls.....	Gladys Halwood
	17. R. Melville.....	Thalls.....	Joe Rodier
	18. L. Helwig.....	Thalls.....	J. G. Webb
24.	R. Melville.....	Thalls.....	James Quigg
	R. Melville.....	Thalls.....	Alma Zittlan
	25. H. Christensen.....	Thalls.....	Emil Oliver
	C. Rasmussen.....	Thalls.....	Martin Dunne
31.	C. Schaumann.....	Thalls.....	Tyler Dingee
	Sept. 1. C. Schaumann.....	Thalls.....	Vincent Adamak

RESCUES

THALLS

Date 1918	Member making rescue	Place where	Person rescued
July	18. C. Schaumann.....	Thalls.....	Jack Thompson
	27. R. Novarine.....	Thalls.....	Mrs. Bauer
Aug.	7. C. Schaumann.....	Thalls.....	John Moran

FIRST AID

SHEEPSHEAD BAY POINT

Date 1918	Members rendering "first aid"	Place where	Persons assisted
May	26. Billy Acker.....	Sheepshead Bay Point.....	Joseph Montuth
June	1. C. Scully.....	Sheepshead Bay Point.....	James Forsyth
	2. C. Scully.....	Sheepshead Bay Point.....	Sigmund Garfinkel
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	F. J. Ball
	9. L. Siems.....	Sheepshead Bay Point.....	W. Valentine
	Billy Acker.....	Sheepshead Bay Point.....	T. Hoag
	B. Harris.....	Sheepshead Bay Point.....	T. H. Geshubi
	B. Harris.....	Sheepshead Bay Point.....	L. Siems
	12. C. Scully.....	Sheepshead Bay Point.....	Harry Shannon
	13. Billy Acker.....	Sheepshead Bay Point.....	L. E. Sternter
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Roy Kemey
	15. Billy Acker.....	Sheepshead Bay Point.....	F. O. Porter
	16. L. Siems.....	Sheepshead Bay Point.....	J. Scanlon
	L. Siems.....	Sheepshead Bay Point.....	Geo. Allen
	Billy Acker.....	Sheepshead Bay Point.....	John Tufts
	C. Scully.....	Sheepshead Bay Point.....	H. Balcom
	28. Teddy Acker.....	Sheepshead Bay Point.....	Frank Jacobs
	29. J. T. Albert.....	Sheepshead Bay Point.....	Edward Barry
	Teddy Acker.....	Sheepshead Bay Point.....	Marion Roule
	30. J. T. Albert.....	Sheepshead Bay Point.....	Arthur Helwig
	C. Scully.....	Sheepshead Bay Point.....	William Burns
July	1. Teddy Acker.....	Sheepshead Bay Point.....	T. Turono
	4. C. Scully.....	Sheepshead Bay Point.....	Walter Barnaby
	C. Scully.....	Sheepshead Bay Point.....	Harry Schneiderman
	7. J. T. Albert.....	Sheepshead Bay Point.....	Geo. Madaie
	13. B. Harris.....	Sheepshead Bay Point.....	Henry Fransel
	14. B. Harris.....	Sheepshead Bay Point.....	L. Lehman
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Geo. Leahy
	15. J. T. Albert.....	Sheepshead Bay Point.....	Edward Leahy
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Robert Rirchoff
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Samuel Grand
	W. Valentine.....	Sheepshead Bay Point.....	Grishe Vincent
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Geo. Philip
	B. Harris.....	Sheepshead Bay Point.....	John Barney
	B. Harris.....	Sheepshead Bay Point.....	V. Johnson
	18. Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Geo. Ardrechy
	Teddy Acker.....	Sheepshead Bay Point.....	William Sedlack
	Teddy Acker.....	Sheepshead Bay Point.....	Frank Roche
	21. L. Siems.....	Sheepshead Bay Point.....	J. Moeller
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Frank Anselmen
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Thos. Tucker
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Mr. Neuman
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Geo. Snidquist
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Lucas Palisi
	W. Valentine.....	Sheepshead Bay Point.....	E. Pellemeier
	Teddy Acker.....	Sheepshead Bay Point.....	Edward Lussie
	Teddy Acker.....	Sheepshead Bay Point.....	Arthur Haedock

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	31. Teddy Acker.....	Sheepshead Bay Point.....	Charles Ward
	James Albert.....	Sheepshead Bay Point.....	Walter Keenan
	22. B. Harris.....	Sheepshead Bay Point.....	E. Lynch
	27. C. Scully.....	Sheepshead Bay Point.....	B. J. Baldwin
	Jr. Lieut. Carney.....	Sheepshead Bay Point.....	Helen Bonkwick
Aug.	28. Jr. Lieut. Carney.....	Sheepshead Bay Point.....	August Morris
	29. B. Harris.....	Sheepshead Bay Point.....	William Pankalo
	3. W. Valentine.....	Sheepshead Bay Point.....	Wm. Veimeister
	L. Siems.....	Sheepshead Bay Point.....	Genevieve Swords
	4. C. Scully.....	Sheepshead Bay Point.....	Chris. Reid
	5. F. H. Alcott.....	Sheepshead Bay Point.....	Doris Lindroth
	Teddy Acker.....	Sheepshead Bay Point.....	E. Thurber
	6. Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Pete Sheppard
	C. Scully.....	Sheepshead Bay Point.....	Natalie Fleichman
	J. Magill.....	Sheepshead Bay Point.....	Albert Hoek
	C. Scully.....	Sheepshead Bay Point.....	Albert Wenkler
	C. Scully.....	Sheepshead Bay Point.....	C. Taylor
	Teddy Acker.....	Sheepshead Bay Point.....	Edwin Leahy
	Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Tony Marino
	Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Arthur Visia
	Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Joe Turno
	F. H. Alcott.....	Sheepshead Bay Point.....	Edmund Forehand
	Teddy Acker.....	Sheepshead Bay Point.....	John Green
	James Albert.....	Sheepshead Bay Point.....	Wm. Reynolds
	B. Harris.....	Sheepshead Bay Point.....	James Marrone
	7. B. Harris.....	Sheepshead Bay Point.....	Frank Viola
	C. Scully.....	Sheepshead Bay Point.....	James Dobbey
	Paul Hogan.....	Sheepshead Bay Point.....	Ed Morrell
	Teddy Acker.....	Sheepshead Bay Point.....	Stanley Brosok
	8. Teddy Acker.....	Sheepshead Bay Point.....	Michael Walsh
Aug.	18. Jas. Carney.....	Sheepshead Bay Point.....	Chas. Decker
	Elmer Bakewell.....	Sheepshead Bay Point.....	Raymond Cook
	20. Surfman Helfrich.....	Sheepshead Bay Point.....	Anna Kenney
	20. F. McCormick.....	Sheepshead Bay Point.....	Ruth Lapike
	22. F. E. Lindermann.....	Sheepshead Bay Point.....	Nettie Doyle
	P. Horgan.....	Sheepshead Bay Point.....	Frank Matrango
	F. E. Lindermann.....	Sheepshead Bay Point.....	Victor Lukurts
	C. Scully.....	Sheepshead Bay Point.....	Unknown
	23. W. Helfrich.....	Sheepshead Bay Point.....	Alice Zimmerman
	24. Frank Alcott.....	Sheepshead Bay Point.....	Frank Miller
	F. McCormick.....	Sheepshead Bay Point.....	Wm. Bandeler
	Jas. Albert.....	Sheepshead Bay Point.....	John Hogan
	C. Scully.....	Sheepshead Bay Point.....	T. Ramish
	25. Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Margarite Maggro
	Sr. Lieut. Carney.....	Sheepshead Bay Point.....	John Goggins
Sept.	28. Paul Horgan.....	Sheepshead Bay Point.....	Sherwood Beynon
	30. Paul Horgan.....	Sheepshead Bay Point.....	John Mattutak
	2. Teddy Acker.....	Sheepshead Bay Point.....	Michael Werbow
	C. Scully.....	Sheepshead Bay Point.....	James Harris
	E. Bakewell.....	Sheepshead Bay Point.....	V. N. Nicolson
	4. F. McCormick.....	Sheepshead Bay Point.....	W. Bartens
	Jas. Albert.....	Sheepshead Bay Point.....	G. Fulda
	5. P. Horgan.....	Sheepshead Bay Point.....	Gilbert Leyden
	P. Horgan.....	Sheepshead Bay Point.....	Carl Nelson

RESCUES

SHEEPSHEAD BAY POINT

Date 1918	Member making rescue	Place where	Person rescued
June	2. C. Souli	Sheepshead Bay Point.	Frank Murray
	9. L. Siems	Sheepshead Bay Point.	Unknown
	15. V. Reppa	Sheepshead Bay Point.	Unknown
	E. Steimer		
	20. C. Scully	Sheepshead Bay Point.	Anna Martin
July	30. C. Scully	Sheepshead Bay Point.	Robert Markey
	8. Teddy Acker	Sheepshead Bay Point.	John Harris
	14. C. Scully	Sheepshead Bay Point.	Unknown
	Sr. Lieut. Carney	Sheepshead Bay Point.	Augusta Sauber
	L. Siems		
	15. Sr. Lieut. Carney	Sheepshead Bay Point.	Jas. Buckley
	Sr. Lieut. Carney	Sheepshead Bay Point.	Robt. Kirchoff
	19. J. Albert	Sheepshead Bay Point.	David Kache
	21. J. Albert	Sheepshead Bay Point.	Thos. Mascialino
	T. Acker		
	J. Albert		
	J. Green	Sheepshead Bay Point.	Ben Kadin
	L. Siems		
	Billy Acker	Sheepshead Bay Point.	Michael Valkys
	Billy Acker	Sheepshead Bay Point.	Sydney Hadland
	L. Siems	Sheepshead Bay Point.	James Ferris
	L. Siems	Sheepshead Bay Point.	Michael Mengine
	L. Siems	Sheepshead Bay Point.	John Hill
	L. Siems	Sheepshead Bay Point.	Agnes Molley
	27. J. Albert	Sheepshead Bay Point.	Thos. Garden
Aug.	C. Scully	Sheepshead Bay Point.	Unknown
	28. C. Scully	Sheepshead Bay Point.	Frank Johnston
	C. Scully	Sheepshead Bay Point.	Unknown
	2. C. Scully	Sheepshead Bay Point.	Thos. Meeghan
	4. Teddy Acker	Sheepshead Bay Point.	Jane Mulligan
	5. J. Albert	Sheepshead Bay Point.	James McHenry
	J. Albert	Sheepshead Bay Point.	A. Pustarino
	6. Sr. Lieut. Carney	Sheepshead Bay Point.	Jennie Gamlino
	Sr. Lieut. Carney	Sheepshead Bay Point.	Tony Louise
	C. Scully	Sheepshead Bay Point.	James Jarnoes
	Sr. Lieut. Carney	Sheepshead Bay Point.	Mike Polito
	Horgan		
	7. Crew and Doctor	Sheepshead Bay Point.	Tony Dirrigalas
	8. Crew	Sheepshead Bay Point.	Frederick Olson
	Dr. Morris Levine of C. I. H.	Sheepshead Bay Point.	Frederick Olson
	J. Albert		
	Carney	Sheepshead Bay Point.	Auto and 3 persons
	Teddy Acker		
	Scully		
	21. Crew	Sheepshead Bay Point.	Lieut. Stehlin and friend
	23. F. McCormick	Sheepshead Bay Point.	Mrs. Benson
	24. E. Stymer	Sheepshead Bay Point.	Unknown
	E. Stymer	Sheepshead Bay Point.	John Kerr
	26. F. Alcott		
	Teddy Acker	Sheepshead Bay Point.	John Paynter
	Frank McCormick		

BOATS AND PERSONS ASSISTED

SHEEPSHEAD BAY POINT

Date 1918	Members giving assistance	Place where	Boats and persons assisted
July	15. Carney.....	Sheepshead Bay Point.....	Louis Forger and canoe
	Siems.....		
	Green.....		
	Alcott.....		
	Albert.....		
Aug.	21. Teddy Acker.....	Sheepshead Bay Point.....	May Keenan and canoe
	4. James Albert.....	Sheepshead Bay Point.....	Mildred Tounling and sailboat
	25. Crew.....	Sheepshead Bay Point.....	D. Maloney
	C. Souilly.....	Sheepshead Bay Point.....	John Monteleon

FIRST AID

PLUMB BEACH

Date 1918	Members rendering "first aid"	Place where	Persons assisted
May	30. C. Meeker.....	Plumb Beach.....	Fred Scheubert
June	4. J. Le Doux.....	Plumb Beach.....	Edward Bellos
	10. Geo. Scallon.....	Plumb Beach.....	Frank Mitchell
	12. Geo. Scallon.....	Plumb Beach.....	Frank Mitchell
	Herman Rohrbach.....	Plumb Beach.....	Blanch Gobel
	16. J. Le Doux.....	Plumb Beach.....	Mary O'Brien
July	1. C. Meeker.....	Plumb Beach.....	Marquett Schubert
	J. Le Doux.....	Plumb Beach.....	Wm. Stemple
	6. J. Le Doux.....	Plumb Beach.....	Lucille Krebe
	8. Surfman Rohrbach and Brad- bury.....	Plumb Beach.....	Leon Prince
	J. Le Doux.....	Plumb Beach.....	Lucille Krebe
	13. C. Meeker.....	Plumb Beach.....	Mildred Perry
	15. C. Meeker.....	Plumb Beach.....	Geo. Schultz
	18. J. Le Doux.....	Plumb Beach.....	Sadie Tully
	22. J. Le Doux.....	Plumb Beach.....	Fred Suttnerberg
	28. H. Rohrbach.....	Plumb Beach.....	John Barry
Aug.	4. J. Le Doux.....	Plumb Beach.....	Minnie Daniels
	J. Le Doux.....	Plumb Beach.....	Alice Noga
	5. C. Christensen.....	Plumb Beach.....	David Lehti
	J. Le Doux.....	Plumb Beach.....	Chas. Ageling
	11. C. Meeker.....	Plumb Beach.....	John Simons
	12. J. Le Doux.....	Plumb Beach.....	Jos. Mers
	13. J. Le Doux.....	Plumb Beach.....	Geo. Haderer
	18. J. Le Doux.....	Plumb Beach.....	Clinton Monaghan
	25. C. Meeker.....	Plumb Beach.....	Chas. Lambert
	31. J. Le Doux.....	Plumb Beach.....	Jas. Johnson
Sept.	1. J. Le Doux.....	Plumb Beach.....	Clinton Monaghan
	2. H. Rohrbach.....	Plumb Beach.....	Wm. Levine
	9. C. Christensen.....	Plumb Beach.....	Harold Thatcher
	14. J. Le Doux.....	Plumb Beach.....	Mr. Arer

RESCUES

PLUMB BEACH

Date 1918	Member making rescue	Place where	Person rescued
July	4. H. Rohrbach.....	Plumb Beach.....	Charlotte Wilcox
	14. J. Le Doux.....	Plumb Beach.....	Unknown man and woman
	J. Le Doux.....	Plumb Beach.....	Jos. Thompson
	19. H. Rohrbach.....	Plumb Beach.....	Rene Berlemant

FIRST AID

DYKER BEACH

Date 1918	Members rendering " first aid "	Place where	Persons assisted
June	2. P. Andreoli.....	Dyker Beach.....	Harold Brinkm
	9. P. Andreoli.....	Dyker Beach.....	Gerald Gleason
	Jack Perry.....	Dyker Beach.....	Mason Furman
	10. Peter McGreal.....	Dyker Beach.....	H. Sinman
	21. Peter McGreal.....	Dyker Beach.....	Mark Woodworth
July	4. John McCann.....	Dyker Beach.....	John Reilly
	P. Andreoli.....	Dyker Beach.....	V. Dearing
	7. P. Andreoli.....	Dyker Beach.....	Frank Baron
	P. Andreoli.....	Dyker Beach.....	John Michelson
	16. Frank Baron.....	Dyker Beach.....	Joseph Murphy
	17. P. McGreal.....	Dyker Beach.....	F. McGreal
	19. S. Lang.....	Dyker Beach.....	A. Rorke
	20. P. Andreoli.....	Dyker Beach.....	Arthur Rorke
	P. Andreoli.....	Dyker Beach.....	P. Maurinio
	21. S. Lang.....	Dyker Beach.....	Nick Price
	P. Andreoli.....	Dyker Beach.....	M. Kornblum
	22. E. Catarsi.....	Dyker Beach.....	James Festa
	23. E. Hart.....	Dyker Beach.....	Morris Leinkowaki
	E. Hart.....	Dyker Beach.....	Edward Thompson
	E. Hart.....	Dyker Beach.....	Robert Webber
	E. Hart.....	Dyker Beach.....	Robert Stevenson
	25. E. Catarsi.....	Dyker Beach.....	Ralph Perity
	27. E. Catarsi.....	Dyker Beach.....	Vincent Mincore
	Frank Baron.....	Dyker Beach.....	John Boylan
	S. Lang.....	Dyker Beach.....	Thomas McGreal
	28. P. Andreoli.....	Dyker Beach.....	Thos. Fredickson
	John McCann.....	Dyker Beach.....	Michael Schmake
	F. Mason.....	Dyker Beach.....	Frank Baron
Aug.	29. John McCann.....	Dyker Beach.....	Jas. Keaney
	1. John McCann.....	Dyker Beach.....	Frank Miendle
	John McCann.....	Dyker Beach.....	Lawrence Cedler
	John McCann.....	Dyker Beach.....	Flora Jensen
	2. Thos. Perry.....	Dyker Beach.....	Edward Galligan
	S. Lang.....	Dyker Beach.....	W. F. Brophy
	3. F. Mason.....	Dyker Beach.....	Helen Heinker
	Jos. McCann.....	Dyker Beach.....	F. J. Wheeler
	4. F. Baron.....	Dyker Beach.....	Wm. Lechter
	5. J. E. McCann.....	Dyker Beach.....	Sylvia Cohn
	6. F. Mason.....	Dyker Beach.....	Iva Osgood
	E. Cartarsi and E. Hart.....	Dyker Beach.....	N. Brantigan
	7. Neil Rorke.....	Dyker Beach.....	March Raymond
	Neil Rorke.....	Dyker Beach.....	Bernard Cohen
	P. McGreal.....	Dyker Beach.....	Hans Thompson
	P. McGreal.....	Dyker Beach.....	Jeane Arnott
	P. McGreal.....	Dyker Beach.....	Peter Fassulo
	Neil Rorke.....	Dyker Beach.....	Lawrence Die
	P. McGreal.....	Dyker Beach.....	M. Gatti
	P. McGreal.....	Dyker Beach.....	Geo. Ellis
	P. McGreal.....	Dyker Beach.....	Geo. Gordon
	P. McGreal.....	Dyker Beach.....	Michael Bordisodowich
	Neil Rorke.....	Dyker Beach.....	Victor Jernovo
	Neil Rorke.....	Dyker Beach.....	Ed. Hart
	8. S. Lang.....	Dyker Beach.....	John Parker
	F. Mason.....	Dyker Beach.....	John Maky
	F. Mason.....	Dyker Beach.....	W. Madison
	S. Lang.....	Dyker Beach.....	Nils Aro
	E. Hart.....	Dyker Beach.....	Patay Delatte

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug.	8. S. Lang	Dyker Beach	Rose Kornbloom
	John McCann.....	Dyker Beach.....	Frank Corro
	F. Mason.....	Dyker Beach.....	M. Sembler
	9. F. Mason.....	Dyker Beach.....	Neil Rorke
	F. Baron.....	Dyker Beach.....	Arthur Rorke
	W. Hart.....	Dyker Beach.....	Wm. Jones
	E. Hart.....	Dyker Beach.....	Morris Bedell
	E. Catarsi.....	Dyker Beach.....	Mike Trofni
	E. Hart.....	Dyker Beach.....	A. Mitachinone
	10. P. McGreal.....	Dyker Beach.....	Kenneth Kuby
	E. Hart.....	Dyker Beach.....	E. Catarsi
	11. Neil Rorke.....	Dyker Beach.....	Monroe Wall
	12. Neil Rorke.....	Dyker Beach.....	Arthur Rorke
	Neil Rorke.....	Dyker Beach.....	Bernath Rober
	14. E. Hart.....	Dyker Beach.....	N. T. Charmin
	Frank Baron.....	Dyker Beach.....	Edgar Hart
	E. Catarsi.....	Dyker Beach.....	Frank Hoey
	E. Catarsi.....	Dyker Beach.....	Arthur Shostick
	15. E. Catarsi.....	Dyker Beach.....	Geneve Conway
	F. Mason.....	Dyker Beach.....	John McCann
	16. E. Catarsi.....	Dyker Beach.....	John Kennedy
	E. Catarsi.....	Dyker Beach.....	Dominic Genova
	17. Frank Baron.....	Dyker Beach.....	Arthur Rorke
	Frank Baron.....	Dyker Beach.....	Emil Quane
	Neil Rorke.....	Dyker Beach.....	Edward Catarsi
	E. Catarsi.....	Dyker Beach.....	Neil Rorke
	18. Frank Baron.....	Dyker Beach.....	Lewis Barton
	E. Catarsi.....	Dyker Beach.....	H. Mistrell
	21. E. Catarsi.....	Dyker Beach.....	Carlo Mastrangelo
	22. N. Rorke.....	Dyker Beach.....	Sidney Homer
	N. Rorke.....	Dyker Beach.....	Evelyn Hansen
	23. E. Catarsi.....	Dyker Beach.....	Irene Cohan
	E. Catarsi.....	Dyker Beach.....	Catherine Melleo
	24. Jos. McCann.....	Dyker Beach.....	Mrs. Ruggiero
	E. Catarsi.....	Dyker Beach.....	R. Berieg
	25. F. Mason.....	Dyker Beach.....	Frank Cross
	F. Mason.....	Dyker Beach.....	James Schmenti
	F. Baron.....	Dyker Beach.....	M. M. Kautrowitz
	Neil Rorke.....	Dyker Beach.....	Thos. Kvandi
	Frank Cross.....	Dyker Beach.....	Paul Hurs
	26. S. Lang.....	Dyker Beach.....	Sam Napolio
Sept.	1. Tom McGreal.....	Dyker Beach.....	Elsie Higaby
	2. Neil Rorke.....	Dyker Beach.....	Rose Tornell
	Frank Baron.....	Dyker Beach.....	Arleen Coromer
	8. F. Mason.....	Dyker Beach.....	Frank Baron
	Neil Rorke.....	Dyker Beach.....	John Murray
	9. S. Lang.....	Dyker Beach.....	Thos. Bishell
	10. Neil Rorke.....	Dyker Beach.....	Mr. Cornbloom

BOATS ASSISTED

DYKER BEACH

Date 1918	Members giving assistance	Place where	Boats assisted
July	4. John McCann.....	Dyker Beach.....	Unknown, three men
	24. J. Garcia, R. Brandon.....	Dyker Beach.....	Michael Litscharser and motor boat

WRECKAGE

DYKER BEACH

Date 1918	Member giving assistance	Place where	Wreckage removed
May	30. S. Lang.....	Dyker Beach.....	Piece of piling
	P. Andreoli.....		
June	2. P. Andreoli.....	Dyker Beach.....	Piece of piling
	6. John McCann.....	Dyker Beach.....	Piece of piling
	16. John McCann.....	Dyker Beach.....	Two pieces of piling
	P. Andreoli.....	Dyker Beach.....	Old spile
July	23. P. Andreoli.....	Dyker Beach.....	Piece of old piling
	7. P. Andreoli.....	Dyker Beach.....	One spile
	21. Sr. Lieut. McCann.....	Dyker Beach.....	Two spiles
	S. Lang.....		
	27. E. Hart.....	Dyker Beach.....	Six pieces of piling and rafting
	E. Catarsi.....		
	F. Baron.....		
	Joe McCann.....	Dyker Beach.....	Large raft
	23. F. Baron.....	Dyker Beach.....	Piece of timber
	E. Catarsi.....		
	F. Mason.....	Dyker Beach.....	One pile
	P. Andreoli.....		

FIRST AID

SEA BEACH

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	8. H. Ennen.....	Sea Beach.....	Milton Sherer
	9. Elmer Sherer.....	Sea Beach.....	Donald Smail
	Elmer Sherer.....	Sea Beach.....	Vincent Vasconi
July	10. H. Ennen.....	Sea Beach.....	E. From
	12. Elias Scherer.....	Sea Beach.....	John Truglio
	14. Henry Ennen.....	Sea Beach.....	J. Cole
	Henry Ennen.....	Sea Beach.....	Miss Crabb
	16. Elias Scherer.....	Sea Beach.....	Harry Nevins
	20. Elias Scherer.....	Sea Beach.....	Donald Small
	25. Elias Scherer.....	Sea Beach.....	Howard Hines
	Elias Scherer.....	Sea Beach.....	Milton Scherer
	28. H. Ennen.....	Sea Beach.....	Paul Schwartz
	Elias Scherer.....	Sea Beach.....	H. McLeod
	30. Elias Scherer.....	Sea Beach.....	Bennie Edwards
Aug.	1. Elias Scherer.....	Sea Beach.....	Mrs. Edwards
	3. Elias Scherer.....	Sea Beach.....	Michael Truglio
	Elias Scherer.....	Sea Beach.....	James Millet
	4. Elias Scherer.....	Sea Beach.....	Edw. Quinn
	8. Elias Scherer.....	Sea Beach.....	Wilbur Keating
	9. Elias Scherer.....	Sea Beach.....	Jimmie Malatcho
	10. Elias Scherer.....	Sea Beach.....	Marty Murdock
	Elias Scherer.....	Sea Beach.....	Robert Colbert
	12. Elias Scherer.....	Sea Beach.....	Fallie Mallet
	13. H. Ennen.....	Sea Beach.....	Paul Sherian
	14. H. Ennen.....	Sea Beach.....	John Egan
	17. E. Scherer.....	Sea Beach.....	Donald Small
	E. Scherer.....	Sea Beach.....	Charles Bishoff
	18. H. Quackenbush.....	Sea Beach.....	Winifred Pollock
Sept.	26. E. Scherer.....	Sea Beach.....	Sal Dautrone
	E. Scherer.....	Sea Beach.....	John Mallat
	E. Scherer.....	Sea Beach.....	E. Scherer
	H. Ennen.....	Sea Beach.....	Mrs. McCabe
	1. H. Ennen.....	Sea Beach.....	Arthur Mazon
	4. E. Scherer.....	Sea Beach.....	Nellie Sentiella

MUNICIPAL FERRY

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Mar.	3. H. Stiglin	Municipal Ferry	Thomas Broduck
	4. H. Stiglin	Municipal Ferry	John Devany
	30. H. Stiglin	Municipal Ferry	John Laffey
	H. Stiglin	Municipal Ferry	John Ryan
April	10. H. Stiglin	Municipal Ferry	James Rice
	23. H. Stiglin	Municipal Ferry	Catherine Corr
May	15. H. Stiglin	Municipal Ferry	John O'Neil
June	30. H. Stiglin	Municipal Ferry	M. Reating
	H. Stiglin	Municipal Ferry	Edward McDonvugh
July	10. H. Stiglin	Municipal Ferry	John Watts
July	16. H. Stiglin	Municipal Ferry	James Laddy
	H. Stiglin	Municipal Ferry	James O'Shea
	H. Stiglin	Municipal Ferry	John Connors
Sept.	9. H. Stiglin	Municipal Ferry	Joseph Kelly
Aug.	2. H. Stiglin	Municipal Ferry	Patrick Gattern
	6. H. Stiglin	Municipal Ferry	John Daniels
	20. H. Stiglin	Municipal Ferry	William Connors

SANDS BAY

June	23. Wm. Brecht and Al Brecht	Sands Bay	M. Vitacke
	25. Julius Nueske	Sands Bay	Joe. Emy
July	2. John Edwards	Sands Bay	Edward Tise
Aug.	23. John Edwards	Sands Bay	Geo. Finch
Sept.	5. Frank Ritter	Sands Bay	J. Weingartner
Nov.	5. Julius Nueske	Sands Bay	J. Tarallo
Dec.	17. Frank Ritter	Sands Bay	Miss Ree

RESCUES

SANDS BAY

Date 1918	Member giving assistance	Place where	Boats assisted
May	19. Aug. Schnupp and Geo. Schnupp	Sands Bay	Rowboat and 3 persons
	Julius Nueske and Frank Ritter	Sands Bay	Rowboat and 3 persons
	Michael Ritter and Fred Ritter	Sands Bay	Rowboat and 4 persons
	Julius Nueske and Frank Ritter	Sands Bay	Rowboat and 3 persons
	Julius Nueske and Frank Ritter	Sands Bay	Launch and 1 person
	17. Michael Ritter and Fred Ritter	Sands Bay	Firemen and boat
June	23. John Edwards	Sands Bay	Rowboat and 4 persons
	Julius Nueske and Frank Ritter	Sands Bay	Rowboat and 3 persons
	August Schnupp and Fred Schnupp	Sands Bay	Rowboat and 2 persons
	Julius Nueske and Frank Ritter	Sands Bay	Rowboat and 3 persons
	30. Julius Nueske and Frank Ritter	Sands Bay	Launch "Raymond"
	7. Frank Ritter and Michael Ritter	Sands Bay	Launch "Clara E" and 3 persons
	Frank Ritter and Michael Ritter	Sands Bay	Sloop "Sea Bird"
	14. Julius Nueske, Frank Ritter and Fred Ritter	Sands Bay	Power boat "Geo. II" and 16 persons
	Aug. 4. Julius Nueske, Frank Ritter and Fred Ritter	Sands Bay	Motor boat "Helen W" and 4 persons
	18. Geo. Schnupp and Gus Schnupp	Sands Bay	Launch "Joke" and 3 persons
Nov.	24. Julius Nueske and Frank Ritter	Sands Bay	Dory "Elsie" and 4 persons

FIRST AID

DRIFTER BOAT CLUB

Date 1918	Members rendering " first aid "	Place where	Persons assisted
April	3. J. Williams	Drifter Club	F. Carr
	21. J. Williams	Drifter Club	Unknown
	25. L. Weiss	Drifter Club	Geo. Smith
	27. L. Weiss	Drifter Club	B. Shoules
May	9. L. Weiss	Drifter Club	Unknown
June	19. J. Williams	Drifter Club	Oleno Cuogilo
	23. I. Weiss and J. Williams	Drifter Club	Pasquale Polumbo
July	6. L. Weiss	Drifter Club	Unknown
	L. Weiss	Drifter Club	John Wansa
	7. Hans Casner	Drifter Club	Unknown
	8. L. Weiss	Drifter Club	F. Linderberger
	10. I. Weiss	Drifter Club	Thos. Carr
	11. S. Redmond	Drifter Club	Ray Sullivan
	I. Weiss	Drifter Club	Irving Barnett
	14. Hans Casner	Drifter Club	Emily Schneider
	L. Renaldi	Drifter Club	B. Heiser
	J. Williams	Drifter Club	L. Johnson
	16. L. Harms	Drifter Club	John Dublon
	I. Weiss	Drifter Club	Joe Cannon
	20. W. Novak	Drifter Club	Wilbur Herts
	I. Weiss	Drifter Club	Fred Hade
	21. A. Bendrick	Drifter Club	Tom Powderly
	L. Renaldi	Drifter Club	Jim Loscalzo
	H. Hirschmann	Drifter Club	Tim Sullivan
	27. H. Seligman	Drifter Club	Harry Ahlers
	H. Casner	Drifter Club	Fred Pittman
	A. Bendrick	Drifter Club	Joe White
	W. Harms	Drifter Club	F. McArdle
	W. Novak	Drifter Club	Thos. Mallby
	28. L. Weiss	Drifter Club	John Gherken
	A. Bendrick	Drifter Club	John Sweeney
	A. Dean	Drifter Club	Frank Spannake
	S. Redmond	Drifter Club	Frank Smith
	Aug. 4. S. Weiss	Drifter Club	Frank Morrow
	S. Redmond	Drifter Club	Jacob Evans
	H. Hirschmann	Drifter Club	John McDonough
	I. Weiss	Drifter Club	Ed Rousch
	Chas. Eisner	Drifter Club	Al. Penn
	S. Redmond	Drifter Club	A. Gleanno
	H. Seligman	Drifter Club	Geo. Elliot
	H. Hirschman	Drifter Club	Harry Stadtmiller
	W. Harms	Drifter Club	Harry Smith
	C. Eisner	Drifter Club	W. Sullivan
	Lester Weiss	Drifter Club	John White
	Lester Weiss	Drifter Club	J. Braistred
	W. Novak	Drifter Club	John Curran
	W. Novak	Drifter Club	Geo. McCormack
	11. I. Weiss	Drifter Club	L. Schneider
	H. Seligman	Drifter Club	Jimmy Cashier
	L. Renaldi	Drifter Club	D. Meyer
	L. Weiss	Drifter Club	Jack Watson
	18. H. Casner	Drifter Club	James Hansen
	S. Redmond	Drifter Club	J. Stern
	F. Voss	Drifter Club	Miss Winter
	J. Williams	Drifter Club	Harris Roth
	W. Harms	Drifter Club	Joe Levy
	H. Hirschmann	Drifter Club	F. Delmonte

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	25. Hans Gassner.....	Drifter Club.....	Wm. Cornad
	H. Harms.....	Drifter Club.....	Alfred Milfort
	S. Redmond.....	Drifter Club.....	Philip Neilson
	A. Dern.....	Drifter Club.....	Miss Plumber
	A. Bendrick.....	Drifter Club.....	Julia Fishel
	L. Tesar.....	Drifter Club.....	Geo. Schneider
Sept.	1. W. Novak.....	Drifter Club.....	Henry Kaufman
	H. O'Neil.....	Drifter Club.....	Geo. Grey
	S. Weiss.....	Drifter Club.....	Albert Hyson
	I. Weiss.....	Drifter Club.....	John Buors
	H. Gassner.....	Drifter Club.....	Chas. Herold
	H. Gassner.....	Drifter Club.....	Chas. McGlinn
	S. Barnett.....	Drifter Club.....	Chas. Morris
	L. Weiss.....	Drifter Club.....	Walter Hogan
	8. S. Weiss.....	Drifter Club.....	Arthur McDonald
	A. Bendrick.....	Drifter Club.....	K. Smith
	S. Redmond.....	Drifter Club.....	C. Herter
	I. Weiss and S. Redmond.....	Drifter Club.....	B. Jordan.
	15. Chas. Gassner and W. Harms..	Drifter Club.....	M. Mathews
	L. Weiss.....	Drifter Club.....	Joe Farrell
	22. S. Weiss.....	Drifter Club.....	John Thomas
	C. Gassner.....	Drifter Club.....	Helen Chauncey
	S. Redmond and I. Weiss.....	Drifter Club.....	Anna Weil
	23. I. Weiss.....	Drifter Club.....	Ray Jackson
	I. Weiss.....	Drifter Club.....	Edna Burke
	29. I. Weiss and S. Weiss.....	Drifter Club.....	J. Meyer
	I. Weiss and S. Weiss.....	Drifter Club.....	Francis Dorns
	L. Weiss.....	Drifter Boat Club.....	G. Kimball
Oct.	5. L. Weiss.....	Drifter Boat Club.....	E. Block
	I. Weiss.....	Drifter Boat Club.....	J. Wagner
	6. C. Gassner.....	Drifter Boat Club.....	A. Gloss
	H. Seligman.....	Drifter Boat Club.....	C. Harley
	I. Weiss.....	Drifter Boat Club.....	H. Sandquist
	12. L. Weiss.....	Drifter Boat Club.....	L. Pelletea
	13. S. Redmond.....	Drifter Boat Club.....	Will Mahoney
	W. Novak.....	Drifter Boat Club.....	Chas. Thurnbacher
	19. H. Hirschman.....	Drifter Boat Club.....	John Barry
	I. Weiss.....	Drifter Boat Club.....	A. Bretton
	A. Dern.....	Drifter Boat Club.....	A. Frank
	20. S. Weiss.....	Drifter Boat Club.....	J. McKee
	W. Harms.....	Drifter Boat Club.....	P. White
	S. Redmond.....	Drifter Boat Club.....	Geo. O'Neil
	S. Weiss.....	Drifter Boat Club.....	Frank Wilson
	26. I. Barnett.....	Drifter Boat Club.....	M. Greenwald
	27. L. Weiss and S. Redmond.....	Drifter Boat Club.....	E. Harlon
	C. Gassner and S. Redmond.....	Drifter Boat Club.....	Fred Hart
Nov.	3. H. Gassner and J. Williams.....	Drifter Boat Club.....	Frank Reardon
	S. Weiss.....	Drifter Boat Club.....	Joseph Leroy
	5. I. Weiss.....	Drifter Boat Club.....	Arthur Muldon
	10. I. Weiss.....	Drifter Boat Club.....	Max Zigas
	A. Dern.....	Drifter Boat Club.....	Unknown
	17. S. Weiss.....	Drifter Boat Club.....	Joe Morrison
	25. H. Gassner.....	Drifter Boat Club.....	Geo. Hade

BOATS ASSISTED DRIFTER BOAT CLUB

Date 1918	Member giving assistance	Place where	Boats assistance
May	19. J. Williams.....	Drifter Club.....	Boat and 1 man
Sept.	1. I. Weiss.....	Drifter Club.....	Motor boat and men

Date 1918	Member giving assistance	Place where	Persons assisted
Nov.	2. L. Weiss	Drifter Boat Club	Row boat
	3. I. Weiss and H. Gassner	Drifter Boat Club	Motor boat
	5. L. Weiss	Drifter Boat Club	Motor boat
	10. L. Weiss	Drifter Boat Club	Motor boat
	I. Weiss, L. Weiss, H. Gassner	Drifter Boat Club	Row boat and 4 men
	17. I. Weiss, W. Novals	Drifter Boat Club	Row boat
	H. Gassner	Drifter Boat Club	Motor boat and 4 men
	24. I. Weiss	Drifter Boat Club	Motor boat and 4 men
Dec.	L. Weiss	Drifter Boat Club	Row boat and 2 people
	1. L. Weiss	Drifter Boat Club	Row boat and 3 people

WRECKAGE

DRIFTER BOAT CLUB

Date 1918	Member giving assistance	Place where	Wreckage removed
Nov.	3. H. Seligman	Drifter Boat Club	3 logs
	17. I. Weiss and W. Novals	Drifter Boat Club	6 logs

BOROUGH OF BRONX

FIRST AID

PORT MORRIS

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	7. P. Greene	Port Morris	Elisabeth Ralph
	26. E. Fischer	Port Morris	Thos. Mulhem
	30. E. Fischer	Port Morris	John Sheridan
July	J. Giles	Port Morris	M. Allen
	4. M. Jackowski	Port Morris	J. Rosinsky
	J. Giles	Port Morris	L. Callahan
	15. E. Fischer	Port Morris	Blanche Roosenburg
	21. J. Giles and P. Greene	Port Morris	Wm. Conroy
	H. Harris, M. Jackowski	Port Morris	J. Schrang
	22. W. Dankner	Port Morris	L. Perry
	F. Giles and W. Dankner	Port Morris	K. Kirk
	J. Giles and P. Greene	Port Morris	Morris Norwick
	P. Greene	Port Morris	Florence Mather
	H. Dankner, P. Greene, H. Harris	Port Morris	Antonio Scoglione
	23. P. Greene	Port Morris	Daniel Kellman
	P. Greene	Port Morris	Sidney Brandiss
	24. F. Giles	Port Morris	Elise Freedman
	25. R. Frederickson and F. Giles	Port Morris	Arthur Olson
	F. Giles	Port Morris	Kennit Ward
	27. P. Greene, H. Harris	Port Morris	Morris Moshowitz
	P. Greene, J. Giles	Port Morris	Simon Perlweis
	28. M. Jackowski	Port Morris	Thos. Press
	P. Greene	Port Morris	I. Innerfield
Aug.	29. J. Giles	Port Morris	John Sewald
	1. H. Harris	Port Morris	Irving Greeberg
	2. J. Giles	Port Morris	Isidor Lussman
	4. M. Jackowski	Port Morris	Geo. Delo
	5. P. Greene, J. Giles	Port Morris	Rudolf Mayer
	J. Giles, R. Frederickson	Port Morris	Louise Freedman
	W. Dankner	Port Morris	I. Brandes
	7. J. Giles	Port Morris	Henry Jacob
	P. Greene	Port Morris	Anthony Geasonigro

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug. 7.	P. Greene.....	Port Morris.....	Morris Collos
	J. Giles.....	Port Morris.....	Arion Weill
	M. Jackowski.....	Port Morris.....	Alex Greenwald
8.	P. Greene.....	Port Morris.....	Morris Cohen
	J. Giles, P. Greene.....	Port Morris.....	Alex Sundberg
	P. Greene.....	Port Morris.....	John McCaffney
	J. Giles.....	Port Morris.....	Alfred Mehmel
9.	J. Giles.....	Port Morris.....	Miss Egan
	J. Giles.....	Port Morris.....	Chas. Klein
13.	W. Dankner.....	Port Morris.....	N. Haber
	P. Greene.....	Port Morris.....	Wm. Fabey
	P. Greene & H. Harris.....	Port Morris.....	Austin Scholen
	P. Greene.....	Port Morris.....	John Nagel
	P. Greene.....	Port Morris.....	Joseph O'Connell
14.	W. Dankner.....	Port Morris.....	M. Bager
	P. Greene.....	Port Morris.....	Joe Bremen
	P. Greene.....	Port Morris.....	Louis Harman
	P. Greene.....	Port Morris.....	Benj. Kataself
	P. Greene.....	Port Morris.....	Max Berman
	J. Giles & P. Greene.....	Port Morris.....	Marie McCarthy
15.	J. Giles & P. Greene.....	Port Morris.....	Daniel Maschinea
16.	J. Giles & P. Greene.....	Port Morris.....	Andrew Bloom
	H. Harris.....	Port Morris.....	Wm. O'Connell
	P. Greene.....	Port Morris.....	David Wienthraub
	P. Greene & H. Harris.....	Port Morris.....	Ira Fries
	H. Harris.....	Port Morris.....	Philip Worth
19.	H. Diets.....	Port Morris.....	Joseph Schwartz
24.	H. Diets.....	Port Morris.....	Gus Louis
	H. Diets.....	Port Morris.....	Philip Stein
	J. Giles.....	Port Morris.....	J. McCarthy
29.	Ed. Fischer.....	Port Morris.....	Wm. Keenan

RESCUES

PORT MORRIS

Date 1918	Member making rescue	Place where	Person rescued
July 29.	H. Brown, J. Giles, W. Dankner.....	Port Morris.....	Isidore Shatkin and Raphael De Rosa
Aug. 24.	H. Harris & P. Greene.....	Port Morris.....	James Colie

WRECKAGE

PORT MORRIS

Date 1918	Members giving assistance	Place where	Wreckage removed
March 24.	M. Jackowski, G. Loochen.....	Port Morris.....	Two large logs

BOATS ASSISTED

PORT MORRIS

Date 1918	Members giving assistance	Place where	Boats assisted
March 18.	H. Harris, M. Jackowski, P. Greene.....	Port Morris.....	40 ft. launch
24.	H. Harris, M. Jackowski, P. Greene.....	Port Morris.....	40 ft. " Mischief "
May 24.	P. Greene, M. Jackowski.....	Port Morris.....	30 ft. launch

Date 1918	Member giving assistance	Place where	Persons assisted
July	4. W. Dankner, M. Jackowski....	Port Morris.....	20 ft. motor boat "Mary"
Aug.	16. H. Harris....	Port Morris.....	Launch "Erin"

FIRST AID

BARRETTO POINT

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	4. W. Schupbach	Barretto Point	H. Franklin
	W. Schupbach	Barretto Point	H. Franklin
	8. W. Schupbach	Barretto Point.....	John Daly
	18. W. Schupbach	Barretto Point.....	Caroline Brown
	22. W. Schupbach	Barretto Point.....	Albin Beahor
	28. W. Schupbach	Barretto Point.....	Jeanette Krautheimer
Aug.	3. F. Adams	Barretto Point.....	S. Finch
	5. F. Adams & W. Schupbach....	Barretto Point.....	Joseph Marchese
	6. W. Schupbach	Barretto Point.....	Wm. Estreicher
	W. Schupbach	Barretto Point.....	S. Kerner
	W. Schupbach	Barretto Point.....	Meyer Siegel
	7. W. Schupbach & F. Adams....	Barretto Point.....	Gerald Davhausoff
	W. Schupbach	Battetto Point.....	Bernard Weiss
	F. Adams	Barretto Point.....	Harry Eblich
	F. Adams	Barretto Point.....	Fannie Metager
	F. Adams	Barretto Point.....	Albert Krutheimer
	8. W. Schupbach	Barretto Point.....	Margaret Nugent
	11. W. Schupbach	Barretto Point.....	Leo Lauer
	13. F. Adams	Barretto Point.....	Jake Rosenberg
	F. Adams	Barretto Point.....	Ruth Holbin
	15. W. Schupbach, F. Adams.....	Barretto Point.....	Lillie Lense
	W. Schupbach, F. Adams.....	Barretto Point.....	Wm. Graham
	24. F. Adams	Barretto Point.....	Gertrude Siegel
Sept.	10. Henry Jegle	Barretto Point.....	Joe Mulholland
Oct.	19. Henry Jegle	Barretto Point.....	Eddie Reiss

BOATS ASSISTED

BARRETTO POINT

Date 1918	Member giving assistance	Place where	Boats assisted
June	9. F. Adams	Barretto Point.....	Rupert Stein and 25 ft. cabin boat
July	14. F. Adams and I. Strisver.....	Barretto Point.....	"Swan" with passen- gers
Aug.	9. W. Schupbach	Barretto Point.....	16 ft. skiff
Sept.	28. F. Adams	Barretto Point.....	"Madeline M." with 1 person

FIRST AID

HUNTER ISLAND

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Jan.	27. Lieut. Konen	Hunter Island.....	Robt. Downey
Feb.	9. Lieut. Konen	Hunter Island.....	James Smith
	16. Lieut. Konen	Hunter Island.....	Gus Suppos
May	11. John Schegel	Hunter Island.....	Vicor Sotton
June	23. Wm. Culligan.....	Hunter Island.....	L. Livant
	30. Wm. Culligan.....	Hunter Island.....	Unknown men

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	30. H. Nelson	Hunter Island.....	Chas. Finglu
	Frank McMurray	Hunter Island.....	Max Shapiro
July	1. Frank McMurray	Hunter Island.....	Maurice Robinson
	2. Joseph Kuheider	Hunter Island.....	Lillian Finsterheim
	Wm. Blicklin	Hunter Island.....	Albert Stutsenberg
	Wm. Blicklin	Hunter Island.....	Arthur Sohrank
	4. H. Nelson	Hunter Island.....	Irene Gordon
	H. Nelson and F. Murray	Hunter Island.....	Edward Williamson
	7. Wm. Blicklin	Hunter Island.....	Herman Busch
	14. F. Murray	Hunter Island.....	Celia Riedero
	W. Culligan	Hunter Island.....	Mr. Alberts
	21. Ed. Bennett	Hunter Island.....	Jacob Samuels
	T. Campbell	Hunter Island.....	Theo. Schwartz
Aug.	28. J. Schegel	Hunter Island.....	Gabriel Steinberg
	H. Nelson	Hunter Island.....	Wm. Blair
	4. T. Campbell	Hunter Island.....	John Collman
	6. C. Goertler	Hunter Island.....	Ferdie Golden
Sept.	11. W. Blicklin	Hunter Island.....	Mary Cumbernet
	25. Wm. Blicklin	Hunter Island.....	Arthur Salomon
	1. F. Murray	Hunter Island.....	Allee Malbin
	Ed. Bennett	Hunter Island.....	Mr. Klinghoefer
	5. H. Nelson	Hunter Island.....	2 unknown persons
	H. Nelson	Hunter Island.....	John Hoefer

ASSISTANCE RENDERED

HUNTER ISLAND

Date 1918	Member giving assistance	Place where	Persons assisted
May	19. F. McMurray, Wm. Blicklin...	Hunter Island.....	Mrs. Diete rle
June	22. Frank Hartingel.....	Hunter Island.....	Mr. Segel
	28. F. McMurray	Hunter Island.....	Assisted at arrest
July	14. Crew under F. McMurray	Hunter Island.....	46 persons from storm
Aug.	4. Crew under F. McMurray	Hunter Island.....	34 persons from storm
	Crew under F. McMurray	Hunter Island.....	12 persons from storm
	Ed. Bennett and F. McMurray	Hunter Island.....	G. Broonstern

BOATS ASSISTED

HUNTER ISLAND

Date 1918	Member giving assistance	Place where	Boats assisted
May	19. Wm. Blicklin	Hunter Island.....	Leaky boat, 1 person
	26. J. Schegel	Hunter Island.....	Smith boat house
	J. Schlager	Hunter Island.....	Motor boat
June	15. Ardie and Ed. Spath.....	Hunter Island.....	Unknown skiff and man
	John Ryan and Wm. Blicklin..	Hunter Island.....	Geo. Mankeistein and boat
	F. Murray	Hunter Island.....	Albert Robertson and boat
July	23. E. Bennett, J. Kuheider, M. Spath, J. Ryan	Hunter Island.....	Launch and 5 persons
	30. Wm. Culligan, M. Spade	Hunter Island.....	Small tender and man
	4. T. Campbell	Hunter Island.....	Canoe, 2 girls, 1 man
	J. Ryan, M. Spade	Hunter Island.....	Old canoe
	7. Wm. Blicklin	Hunter Island.....	Chas. Becky and boat
	14. Wm. Culligan	Hunter Island.....	Row boat and 5 persons
	F. McMurray, E. Bennett.....	Hunter Island.....	Row boat and 4 persons
	Ed. Ottes	Hunter Island.....	Canoe and 2 girls

Date 1918	Member giving assistance	Place where	Bodies recovered
July	14. Ed. Ottes, F. McMurray.....	Hunter Island.....	Canoe and 4 persons
	28. Ed. Ottes, E. Bennett.....	Hunter Island.....	Canoe and 3 persons
Aug.	4. Ed. Bennett, F. McMurray....	Hunter Island.....	Skiff and A. Rosen
	Wm. Culligan.....	Hunter Island.....	Geo. Williams and boat
	11. Wm. Blicklin.....	Hunter Island.....	Arthur Rosenberg

WRECKAGE**CLASSON POINT**

Date 1918	Members giving assistance	Place where	Wreckage removed
July	4. M. Spade and F. McMurray...	Hunter Island.....	Drifting lumber

FIRST AID**CLASSON POINT**

Date 1918	Member rendering "first aid"	Place where	Persons assisted
Jan.	6. Otto Bach.....	Classon Point.....	Henry Bamber
	Chas. Metoher.....	Classon Point.....	Chas. Grau
	10. Herman Bartsch.....	Classon Point.....	Albert Gick
May	10. Casper Kaiser.....	Classon Point.....	Anthony Poth
	25. W. Folmsbee.....	Classon Point.....	H. Kretchman
June	11. Wm. Browne.....	Classon Point.....	Peter Olsen
	23. Otto Bach.....	Classon Point.....	Mrs. Silver
	29. Otto Bach.....	Classon Point.....	Paul Wackenhagen
Aug.	4. Chas. Nalen, Jr.....	Classon Point.....	Jeremiah Gerard
	7. Wm. Hyde.....	Classon Point.....	John Schimmek
	9. Otto Bach.....	Classon Point.....	John Kaiser
	12. Otto Bach.....	Classon Point.....	Ed. Holard
Sept.	2. Wm. Hyde.....	Classon Point.....	Robert Molk
Oct.	20. Captain Nalen & Crew.....	Classon Point.....	Charles Andersen
Nov.	25. Otto Bach.....	Classon Point.....	Herman Both

RESCUES**CLASSON POINT**

Date 1918	Member making rescue	Place where	Person rescued
Oct.	30. P. F. Boye and Jos. Kaiser....	Classon Point.....	James Foley

ASSISTANCE RENDERED**CLASSON POINT**

Date 1918	Member giving assistance	Place where	Persons assisted
Aug.	4. Otto Bach.....	Classon Point.....	Joseph Kaiser and motor boat with 13 persons on board.
	Lifeboat crew.....	Classon Point.....	Motor boat with seven persons
Sept.	8. Otto Bach and Chas. Gilfrich..	Classon Point.....	Motor boat with 5 persons
	H. S. Gamp.....	Classon Point.....	Motor boat with 8 persons

BODIES RECOVERED**CLASSON POINT**

Date 1918	Member making rescue	Place where	Body recovered
Sept.	20. George Bing, Jr.....	Classon Point.....	John Kelly

BOROUGH OF QUEENS

FIRST AID

ROCKAWAY BEACH

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	9. Henry Beling.....	Rockaway Beach.....	V. Philip
	15. Henry Beling.....	Rockaway Beach.....	Mrs. Lang
July	4. C. Kraverath.....	Rockaway Beach.....	Edward Seebeck
	Wm. Kraverath.....	Rockaway Beach.....	C. H. Twamley
	G. Kraverath.....	Rockaway Beach.....	E. J. Luif
	6. Henry Beling.....	Rockaway Beach.....	Mr. Howard
	14. Henry Beling.....	Rockaway Beach.....	Wm. Hrath
	21. Chas. Lehmaund.....	Rockaway Beach.....	Mr. E. J. Lief
	Henry Beling.....	Rockaway Beach.....	Mrs. E. J. Lief
	27. Henry Beling.....	Rockaway Beach.....	Fred Philmer
Aug.	25. Henry Beling.....	Rockaway Beach.....	Mr. Mide
Sept.	2. Henry Beling.....	Rockaway Beach.....	Unknown man
	11. Henry Beling.....	Rockaway Beach.....	Mr. Linge
	14. Wm. Kraverath.....	Rockaway Beach.....	Unknown boy
	28. Henry Beling.....	Rockaway Beach.....	Miss Fuller

RESCUES

ROCKAWAY BEACH

Date 1918	Member making rescue	Place where	Person rescued
Aug.	21. Henry Beling, Arthur Davies, Arni Meyer, Conrad Engel....	Rockaway Beach.....	Four canoes and forty persons

BOATS ASSISTED

ROCKAWAY BEACH

Date 1918	Member giving assistance	Place where	Boat rescued
July	7. H. Schirmer and H. Beling....	Rockaway Beach.....	Row boat

WRECKAGE

ROCKAWAY BEACH

Date 1918	Member giving assistance	Place where	Wreckage removed
Sept.	19. Henry Beling.....	Rockaway Beach.....	Four logs

FIRST AID

ROCKAWAY BEACH COVE

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	9. A. Mergenthaler.....	Rockaway Cove.....	Unknown
	16. C. Wright.....	Rockaway Cove.....	Geo. Kraverath
July	14. A. Davies.....	Rockaway Cove.....	Arthur Davies
	28. John Frenzel.....	Rockaway Cove.....	Chas. Frenzel
Aug.	1. Chas. Frenzel.....	Rockaway Cove.....	John Frenzel
	4. A. Davies.....	Rockaway Cove.....	Harry Wheller
	31. Henry Beling.....	Rockaway Beach.....	Miss Moore
	Henry Beling.....	Rockaway Cove.....	Mr. Leed
Sept.	1. Henry Beling.....	Rockaway Cove.....	Mrs. Reed
	2. Henry Beling.....	Rockaway Cove.....	Mr. Moore

Date 1918	Members rendering " first aid	Place where	Persons assisted
Sept. 11.	Henry Beling.....	Rockaway Cove.....	V. Larson
22.	Henry Beling.....	Rockaway Cove.....	Mr. Larson, Jr.
27.	Henry Beling.....	Rockaway Cove.....	Mr. Lewis
	Henry Beling.....	Rockaway Cove.....	Mr. Olson
	Henry Beling.....	Rockaway Cove.....	Mr. Leland

RESCUES

ROCKAWAY BEACH COVE

Date 1918	Member making rescue	Place where	Person rescued
June 30.	C. Wright, Henry Beling, Wm. Kraverath H. Schirmer.....	Rockaway, Point Breese....	Fred Popke
	C. Wright, Henry Beling, Wm. Kraverath H. Schirmer.....	Rockaway, Point Breese....	John Muns
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Artie Smith
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Fred Burkhardt
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirme.....	Rockaway, Point Breese....	Mike Murry
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Frank Dillon
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	W. L. Hamilton
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	James Miller
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Frank Miller
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	A. Herman
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	George Klees
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	F. Brown
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	James Keenan
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Franz Bruce
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Gus Albert
	C. Wright, Henry Beling, Wm. Kraverath, H. Schirmer.....	Rockaway, Point Breese....	Daniel Popke

BOATS ASSISTED

ROCKAWAY COVE

Date 1918	Member giving assistance	Place where	Boat rescued
Aug. 28.	Henry Beling.....	Rockaway Cove.....	Mr. Leidland and motor boat

WRECKAGE

ROCKAWAY COVE

Date 1918	Member giving assistance	Place where	Wreckage removed
Sept. 29.	Henry Beling.....	Rockaway Cove.....	One barrrell of glass

RESCUES

HOLLAND BEACH

Date 1918	Members making rescue	Place where	Person rescued
July	5. Nathaniel Ballard	Holland Beach	Bernard Dowler
	14. Nathaniel Ballard	Holland Beach	Girl
	15. Robert Johnson	Holland Beach	Mrs. A. Ritchie
	17. Samuel Rudon	Holland Beach	Four men
Aug.	2. Nathaniel Ballard and Robert Johnson	Holland Beach	Martin Joyce
	6. Nathaniel Ballard	Holland Beach	Irving Wolf
	Nathaniel Ballard	Holland Beach	Unknown woman
	7. Officer Paterson	Holland Beach	Man
	Officer Paterson	Holland Beach	Man
	22. Nathaniel Ballard and Robert Johnson	Holland Beach	Mrs. Johnson
	Nathaniel Ballard and F. Roberts	Holland Beach	Unknown woman
	25. Jack Schrade	Holland Beach	Walter McCormack
	30. Robert Johnson	Holland Beach	Harry Pollack
	7. Fireman Mitchell, N. Ballard, Whitney, Jr.	Holland Beach	Three unknown girls

FIRST AID

PLEASANT POINT

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Mar.	23. Wm. Stevens	Pleasant Point	Edmond Buchler
April	14. Commodore Raynor	Pleasant Point	Frank Perkins
May	12. Commodore Raynor	Pleasant Point	Young man
June	16. Captain Lagarenne	Pleasant Point	Geo. Lang
	22. Captain Lagarenne	Pleasant Point	M. Lang
July	5. E. Lackenbauer	Pleasant Point	Harry Mulholland
	16. R. McCarthy	Pleasant Point	Elsie Kumpel
	21. Surfman Cleary	Pleasant Point	James Boyle
	Captain Lagarenne	Pleasant Point	David Cline
	Surfman Cleary	Pleasant Point	Wm. Staak
	28. Surfman Neubert	Pleasant Point	Louis Gloss
	Surfman Neubert	Pleasant Point	Wm. Renner
Aug.	13. Wm. Stevens and R. McCarthy	Pleasant Point	C. Donlin
	18. John Meehan	Pleasant Point	Harold Haynes
	19. John Meehan	Pleasant Point	Frank Scieme
	25. Captain Lagarenne	Pleasant Point	John Curvey
	John Meehan	Pleasant Point	Alfred Kieser
Sept.	Captain Lagarenne	Pleasant Point	J. Scieme
	2. Captain Lagarenne	Pleasant Point	C. Curry
	C. F. Cleary	Pleasant Point	W. A. Monde

ASSISTANCE RENDERED

PLEASANT POINT

Date 1918	Member giving assistance	Place where	Persons assisted
May	12. Supervisor Raynor	Pleasant Point	Unknown girl with boat
	Lackenbauer		
	Supervisor Raynor	Pleasant Point	7 persons and boat
	Lackenbauer		
	18. Wm Stevens		
	Lieut. Lagarenne	Pleasant Point	Motor boat and 2 persons
	Surfman Neubert		

Date 1918	Member giving assistance	Place where	MM	Persons assisted
May 26.	Wm. Stevens.....	Pleasant Point.....		Rowboat and 4 persons
	Wm. Stevens.....	Pleasant Point.....		"Imp" motorboat and
June 2.	Captain Lagarenne.....			6 persons
	Stevens.....	Pleasant Point.....		Unknown sunken boat
	Lackenbauer.....			
	Captain Lagarenne.....			
	Stevens.....	Pleasant Point.....		Unknown men and boat
	Lackenbauer.....			
	8. E. Lackenbauer.....	Pleasant Point.....		Unknown man and boat
15.	Captain Lagarenne.....			
	Stevens.....	Pleasant Point.....		Unknown man and boat
	Neubert.....			
	Captain Lagarenne.....			
	Stevens.....	Pleasant Point.....		Boat and 3 persons
	Neubert.....			
	Surfman Stevens.....	Pleasant Point.....		2 persons and boat
16.	Captain Lagarenne.....	Pleasant Point.....		Geo. Lang
23.	Captain Lagarenne.....	Pleasant Point.....		Row boat and 3 persons
	Captain Lagarenne.....	Pleasant Point.....		Motor boat (5 persons)
July 3.	W. Stevens.....	Pleasant Point.....		Ignace Feth and boat
	E. Lackenbauer.....			
13.	Captain Lagarenne.....	Pleasant Point.....		Launch and 2 men
14.	Commodore Raynor.....	Pleasant Point.....		Motor boat, 3 men
May 12.	Commodore Raynor.....	Pleasant Point.....		Launch, 8 persons
	Commodore Raynor and H. Jones.....	Pleasant Point.....		Twenty-one foot launch, 8 persons
July 4.	Commodore Raynor.....	Pleasant Point.....		Eighteen foot launch
	Commodore Raynor.....	Pleasant Point.....		Twenty-one foot launch, 5 persons
21.	Commodore Raynor and Ethel Raynor and Gertrude Klein..	Pleasant Point.....		Mr. and Mrs. Clarkson and Florence Clark- son, Catherine Langer and Josephine Lester and Catherine Lester
Aug. 3.	Commodore Raynor.....	Pleasant Point.....		Eighteen foot dory, 3 persons
	18. Captain Lagarenne.....	Pleasant Point.....		Launch, 2 boys, 3 men and 1 woman and baby
	24. Captain Lagarenne and Surfman Cleary, Meehan, Specht and McCarthy (Aux.).....	Pleasant Point.....		Two girls and boat
Sept. 1.	Commodore Raynor.....	Pleasant Point.....		Woman from 17 boat
	Commodore Raynor.....	Pleasant Point.....		Eighteen foot launch, 5 persons
	9. Commodore Raynor.....	Pleasant Point.....		Row boat and 1 man

WRECKAGE

PLEASANT POINT

Date 1918	Members giving assistance	Place where	Wreckage removed
April 14.	Commodore Raynor.....	Pleasant Point.....	4-4 x 10 x 20 planks
May 12.	Commodore Raynor.....	Pleasant Point.....	Two logs 10 c 15 feet

FIRST AID

BROAD CHANNEL

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June 20.	Chas. Scheiber.....	Broad Channel.....	O. C. Birnbrauer
23.	O. Birnbrauer.....	Broad Channel.....	Chas. Scheiber

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
June	23. O. Birnbrauer.....	Broad Channel.....	Chas. Scheiber
July	16. Chas. Scheiber.....	Broad Channel.....	Geo. Dielman
	21. O. Birnbrauer.....	Broad Channel.....	Geo. Dielman
	Chas. Scheiber.....	Broad Channel.....	Chas. Scheiber
	Chas. Scheiber.....	Broad Channel.....	Geo. Dielman
	Chas. Scheiber.....	Broad Channel.....	Dorothy Holly
	O. Birnbrauer.....	Broad Channel.....	Edward Korn
	23. O. Birnbrauer.....	Broad Channel.....	C. Scheiber
	27. O. Birnbrauer.....	Broad Channel.....	O. Birnbrauer
Aug.	24. O. Birnbrauer.....	Broad Channel.....	Wm. Lapp
	O. Birnbrauer.....	Broad Channel.....	Herbert Bayard
	O. Birnbrauer.....	Broad Channel.....	C. Scheiber
	31. Chas. Scheiber.....	Broad Channel.....	Wm. Fousson

HELL GATE

June	24. Jos. Boesler.....	Hell Gate.....	Wm. Modick
July	17. Jas. Reid.....	Hell Gate.....	Robert Dehmon
	27. Jas. Reid.....	Hell Gate.....	Chas. Sohmer
	23. Jas. Reid.....	Hell Gate.....	Wm. Gibbons
	29. Geo. Chichester.....	Hell Gate.....	Frances McCauley
Aug.	3. J. Connors.....	Hell Gate.....	Mrs. Demarest
	6. J. Boesler.....	Hell Gate.....	Mr. Van Dehoff.
	Jas. Reid.....	Hell Gate.....	Margaret Boat
	7. G. Chichester.....	Hell Gate.....	Maurice Shea
	G. Chichester.....	Hell Gate.....	Joseph Lew
	G. Chichester.....	Hell Gate.....	John Molloy
	25. Jas. Reid.....	Hell Gate.....	Roy Thompson
	Jas. Reid.....	Hell Gate.....	Frances Coates

RESCUES

Date 1918	Member making rescue	Place where	Person rescued
June	18. Edward Wiesner and Wm. Denem.....	Hell Gate.....	Marshall McMann
July	20. Jos. Connors.....	Hell Gate.....	Mary Leonard
Aug.	7. John Hoch.....	Hell Gate.....	Isidore Goldbaum
	John Hoch.....	Hell Gate.....	Sam Haller

BOATS ASSISTED

Date 1918	Member giving assistance	Place where	Boats rescued
July	7. H. Flynn.....	Hell Gate.....	Motor boat and 2 men
	Jos. Boesler and T. Hennessy..	Hell Gate.....	Rowboat and 2 men
	Jos. Boesler.....	Hell Gate.....	Yawl and 2 men
	29. G. Schwanochter, J. Van Hassel	Hell Gate.....	Motor boat and 6 people
Aug.	3. J. Boesler.....	Hell Gate.....	Motor boat and 2 men
	4. Edwin Krolman.....	Hell Gate.....	Power boat " Marie " and owner

BOROUGH OF RICHMOND

FIRST AID

SOUTH BEACH

Date 1918	Members rendering " first aid "	Place where	Persons assisted
May	19. Andrew Newill.....	South Beach.....	Wm. Littell
June	2. J. Morris.....	South Beach.....	James Hawn
	G. Garnett.....	South Beach.....	Chas. Rizzo

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	3. J. Morris.....	South Beach.....	Balstern Wedo
	J. Morris.....	South Beach.....	Tony Mallaca
	T. Murphy.....	South Beach.....	Mr. Eisler
	6. J. Morris.....	South Beach.....	Vito Sutera
	9. J. Morris.....	South Beach.....	Fred Zonasey
	Charlie Crane.....	South Beach.....	Vincent Garopolo
	Wm. Levine.....	South Beach.....	John Petronelli
	Joe Curley.....	South Beach.....	Joseph Feneli
	Joe Cusely.....	South Beach.....	Fred Iacono
	Dr. Wright.....	South Beach.....	Vincent Palmeri
	Charlie Curley.....	South Beach.....	Anthony Meraglia
	Dr. Wright.....	South Beach.....	Nocco Saponaro
	Chas. Curley.....	South Beach.....	Steven Muleahy
	Andrew Newill.....	South Beach.....	B. Alboun
	J. Morris.....	South Beach.....	Agnes Donohue
	J. Morris.....	South Beach.....	John Paggio
	27. Jean Duchemin.....	South Beach.....	Mario Haag
	29. Andrew Newill.....	South Beach.....	Jos. Trapam
	30. Andrew Newill.....	South Beach.....	Andrew Thompson
	Andrew Newill.....	South Beach.....	C. Borjeason
	31. Andrew Newill.....	South Beach.....	John Doe
	W. D. Matteo.....	South Beach.....	G. Massucco
	Geo. O'Brien.....	South Beach.....	Robert Draghi
July	2. Jean Duchemin.....	South Beach.....	Mrs. Kelletack
	4. John Morris.....	South Beach.....	Domick Carrello
	John Morris.....	South Beach.....	John Donleavy
	John Morris.....	South Beach.....	Carmine Masse
	John Morris.....	South Beach.....	Sabian Johnson
	John Morris.....	South Beach.....	Ralph Castellino
	Andrew Newill.....	South Beach.....	G. Wintyre
	6. Chas. Crane.....	South Beach.....	Joe Palegrin
	7. Chas. Crane.....	South Beach.....	Rubicam Arthur
	W. Newill.....	South Beach.....	John Paggallo
	W. Newill.....	South Beach.....	F. Gros
	W. Levine.....	South Beach.....	Michael Krepa
	Leo Schagrin.....	South Beach.....	Jos. Capobianco
	Leo Schagrin.....	South Beach.....	May Mason
	Andrew Newill.....	South Beach.....	Jos. Abbott
	C. Crane.....	South Beach.....	Henry Pellino
	W. Newill.....	South Beach.....	Tony Delno
	G. Garnett.....	South Beach.....	T. Biemont
	Leo Schagrin.....	South Beach.....	Confonote Pilino
	F. Murphy.....	South Beach.....	Frank Trocano
	Station crew.....	South Beach.....	John Doe
	9. Jean Duchemin.....	South Beach.....	Nathan Nodoff
	Jean Duchemin.....	South Beach.....	Helen Barber
	10. Jean Duchemin.....	South Beach.....	H. Rosenberg
	Vincent Romeo.....	South Beach.....	J. Emerson
	11. Jean Duchemin.....	South Beach.....	Herman Rosenberg
	13. L. Verbeek.....	South Beach.....	Rose and Mary Tuido
	L. Verbeek.....	South Beach.....	Anthony Desaro
	Wm. Marrow.....	South Beach.....	John Lemonic
	14. Dr. Shea and John Morris.....	South Beach.....	Enrico Bonise
	John Morris.....	South Beach.....	John Doe
	Andrew Newill.....	South Beach.....	Geo. Pantamida
	Andrew Newill.....	South Beach.....	Joe Frotassi
	Wm. Levine.....	South Beach.....	Wm. Newill
	Wm. Levine.....	South Beach.....	Albert De Perro
	Wm. Levine.....	South Beach.....	W. Murray
	Wm. Levine.....	South Beach.....	Mike Firoi

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Date 1918	Members rendering " first aid "	Place where	Persons assisted
July	14. Wm. Marrow	South Beach	John Messacappa
	F. Murphy	South Beach	Mabel Class
	F. Murphy	South Beach	Martha Cama
	Chas. Crane	South Beach	Solvator Belluscio
	Chas. Crane	South Beach	Julius De Sanetis
	G. Garnett	South Beach	G. Newill
	Andrew Newill	South Beach	Joseph De Stepano
	Andrew Newill	South Beach	John George
	E. Feist	South Beach	Raphael Caletchi
	E. Feist	South Beach	Joe Dickson
	E. Feist	South Beach	W. Gordon
	E. Feist	South Beach	Howard Billmer
	15. Wm. Levine	South Beach	Louis Turner
	Wm. Levine	South Beach	A. Ecaison
	17. E. Feist	South Beach	Henry Stainiger
	18. V. Romeo	South Beach	Fulton Romoe
	V. Romeo	South Beach	Tommy Munsueto
	18. V. Romeo	South Beach	A. Banny
	20. Andrew Newill	South Beach	James Badami
	Wm. Levine	South Beach	Miss Loomis
	Andrew Newill	South Beach	Frank Rusiaka
	Andrew Newill	South Beach	Virginia Ferri
	21. J. Conway	South Beach	Loritta Ahern
	G. Garnett	South Beach	N. Ignasio
	G. Garnett	South Beach	J. Doe
	Andrew Newill	South Beach	S. Mekhuan
	Andrew Newill	South Beach	A. McCormack
	Andrew Newill	South Beach	Samuel Lewis
	Andrew Newill	South Beach	Joseph Maids
	Andrew Newill	South Beach	Mildred Elia
	Andrew Newill	South Beach	Frank Geran
	Andrew Newill	South Beach	Frank Geran
	Andrew Newill	South Beach	Hugh Gallagher
	Andrew Newill	South Beach	Edmund Dwyer
	Andrew Newill	South Beach	Peter Slantec
	Wm. Levine	South Beach	Miss Lelko
	Wm. Levine	South Beach	Wm. Tralongo
	Wm. Levine	South Beach	G. Maggiani
	Wm. Levine	South Beach	E. Damous
	Wm. Levine	South Beach	Leo Schagrin
	Wm. Levine	South Beach	Helen Riak
	Wm. Levine	South Beach	M. Spanelli
	Wm. Levine	South Beach	G. Garnett
	Wm. Levine	South Beach	Ed Kott
	Wm. Levine	South Beach	Fred Gros
	Wm. Levine	South Beach	C. Polaski
	Wm. Levine	South Beach	G. Harkiniak
	Wm. Levine	South Beach	Wm. Brennan
	J. Morris	South Beach	Anthony Lombardi
	J. Morris	South Beach	Dominiek Ditrani
	J. Morris	South Beach	Grace Morrisson
	J. Morris	South Beach	Angelo Vintos
	J. Morris	South Beach	Anthony Frisco
	J. Morris	South Beach	Emil Ghanstein
	Chas. Curley	South Beach	Leo Piantanida
	Chas. Curley	South Beach	James Molinello
	F. Pellettieri	South Beach	T. Dellno
	Chas. Curley, Wm. Levine, G. Garnett	South Beach	Antoni Tivirello
	Charles Crane	South Beach	Tom O'Reilly

Date 1918	Members rendering " first aid	Place where	Persons assisted
July	21. Charles Crane.....	South Beach.....	Sam Vignon
	Charles Crane.....	South Beach.....	Robert Schneider
	Charles Crane.....	South Beach.....	Nicholas Comaro
	Geo. O'Brien.....	South Beach.....	A. Kratonics
	Geo. O'Brien.....	South Beach.....	Wm. Anderson
	Geo. O'Brien.....	South Beach.....	Leo Mulan
	Geo. O'Brien.....	South Beach.....	Frank Manicocco
	23. Victor Frolick.....	South Beach.....	Richard Lawless
	J. Dickson.....	South Beach.....	R. Lawless
	24. F. Murphy.....	South Beach.....	Geo. Evans
	26. Victor Frolick.....	South Beach.....	J. Caahama
	27. Andrew Newill.....	South Beach.....	P. Presser
	John Morris.....	South Beach.....	Emanuel Trengali
	Joe Curley.....	South Beach.....	J. Fricano
	Joe Curley.....	South Beach.....	Jos. Drago
	28. John Morris.....	South Beach.....	A. Montiperto
	Chas. Crane.....	South Beach.....	Salih Santangelo
	John Morris.....	South Beach.....	Clarence Brown
	John Morris.....	South Beach.....	Frank Bondoner
	John Morris.....	South Beach.....	Michael Rubino
	John Morris.....	South Beach.....	Wm. King
	Leo Schagrin.....	South Beach.....	Joseph Cali
	Chas. Crane.....	South Beach.....	D. Parino
	Andrew Newill.....	South Beach.....	Canglia Pachino
	Andrew Newill.....	South Beach.....	H. Vernier
	G. Garnett.....	South Beach.....	John Doe
	V. Romeo.....	South Beach.....	Guido Cerino
	Wm. Levine.....	South Beach.....	J. Mignone
	John Morris.....	South Beach.....	Wm. Schwesach
	Dr. Wright.....	South Beach.....	Gus Dasaio
	G. Garnett.....	South Beach.....	Fred Cowener
	J. Morris.....	South Beach.....	Frank Zito
	J. Morris.....	South Beach.....	Paul Monteleon
Aug.	30. G. Garnett.....	South Beach.....	Miss Doe
	1. Mrs. Newill.....	South Beach.....	Joe Curley
	2. Joe Curley.....	South Beach.....	Pauline Russo
Aug.	Joe Dickson.....	South Beach.....	Anthony Stronsone
	3. John Morris.....	South Beach.....	J. Marore
	3. A. Newill.....	South Beach.....	Mr. Mettan
	A. Newill.....	South Beach.....	J. Adamo
	John Morris.....	South Beach.....	Arthur Sindair
	John Morris.....	South Beach.....	Charles Chester
	Geo. Newill.....	South Beach.....	John Buccino
	Joe Curley.....	South Beach.....	Joe Curanto
	4. Joe Curley.....	South Beach.....	Gorgeo Paolossi
	Charles Crane.....	South Beach.....	Chas. Matthews
	E. Fiest.....	South Beach.....	Daniel Catissone
	Billie De Matteo.....	South Beach.....	John Pontus
	J. Conway.....	South Beach.....	Thomas Mullenin
	Billie De Matteo.....	South Beach.....	John Fuher
	J. Morris.....	South Beach.....	Solon Karas
	Ed. Cordani.....	South Beach.....	Thomas Curley
	J. Morris.....	South Beach.....	Stanley Pontus
	J. Morris.....	South Beach.....	Paul Guido
	J. Morris.....	South Beach.....	Alex Procurat
	J. Morris.....	South Beach.....	E. Bonassi
	Billie De Matteo.....	South Beach.....	Adolph Galotto
	Joe Curley.....	South Beach.....	Salie Tortelli
	Victor Frolick.....	South Beach.....	Angelina Frama
	7. Victor Frolick.....	South Beach.....	L. Harn

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	7. Joe Curley.....	South Beach.....	Nettie Andreola
	W. De Matteo.....	South Beach.....	Sam Randalsio
	W. De Matteo.....	South Beach.....	Mary Angrolotti
	W. De Matteo.....	South Beach.....	Geo. Dimebial
	W. De Matteo.....	South Beach.....	Frank Allesi
	G. Garnett.....	South Beach.....	Leandro Allory
	W. De Matteo.....	South Beach.....	Andy Dixon
	W. De Matteo.....	South Beach.....	Paul Lagier
	W. De Matteo.....	South Beach.....	Ernest Clovich
	G. Garnett.....	South Beach.....	A. Velotti
	G. Garnett.....	South Beach.....	J. Chaokalis
	G. Garnett.....	South Beach.....	Leonard Pempalone
	Victor Frolick.....	South Beach.....	Harry Ratner
	Victor Frolick.....	South Beach.....	Fred Bauer
	8. Geo. Evans.....	South Beach.....	Mildred Levine
	W. De Matteo.....	South Beach.....	G. T. Mackay
	W. De Matteo.....	South Beach.....	Lina Larusa
	W. De Matteo.....	South Beach.....	G. Guaranto
	W. De Matteo.....	South Beach.....	Eastello Serino
	W. De Matteo.....	South Beach.....	G. Bade
	9. W. De Matteo.....	South Beach.....	H. Rosenberg
	Ed. Cordini.....	South Beach.....	Mrs. Buicino
	Ed. Cordini.....	South Beach.....	Jennie Bucino
	Ed. Cordini.....	South Beach.....	Bennie Kriger
	Chas. Crane.....	South Beach.....	Miss Miller
	10. Geo. Newill.....	South Beach.....	Will De Matteo
	Vincent Romeo.....	South Beach.....	E. Cerino
	11. Wm. Levine.....	South Beach.....	Albert Pelligrini
	A. Newill.....	South Beach.....	Alex Beradelli
	Wm. Levine.....	South Beach.....	Demiff Grasiano
	Wm. Levine.....	South Beach.....	Chas. Curley
	Wm. Levine.....	South Beach.....	Geo. Pellegrini
	13. E. Feist.....	South Beach.....	H. Bedell
	14. E. Feist.....	South Beach.....	Max Fischman
	E. Feist.....	South Beach.....	Anna Petina
	Benj. Smith.....	South Beach.....	Peter Reichting
	E. Feist.....	South Beach.....	Robert Lamb
	15. E. Feist.....	South Beach.....	D. Regan
	H. M. Conway.....	South Beach.....	Joe Ziebie
	Chas. Crane.....	South Beach.....	Herman Kords
	16. J. Dickson.....	South Beach.....	Gustave Marrow
	J. Dickson.....	South Beach.....	Rob Delongeo
	H. M. Conway.....	South Beach.....	Walter Gorman
	H. M. Conway.....	South Beach.....	Eddie Mullan
	E. Feist.....	South Beach.....	Prinetta Zhigin
	W. Newill.....	South Beach.....	Philip Smith
	18. Chas. Crane and Geo. Newill.....	South Beach.....	Salvator Dimaggio
	W. Newill.....	South Beach.....	M. Monteferrante
	21. J. Conway.....	South Beach.....	Bennie Kregger
	22. W. Newill.....	South Beach.....	Angelo Amitto
	24. W. Newill.....	South Beach.....	Marlo Pellegrini
	W. Newill.....	South Beach.....	Peter Chakonas
	W. Newill.....	South Beach.....	Geo. Evans
	J. Conway.....	South Beach.....	Barbara Diller
	25. Chas. Curley.....	South Beach.....	Frank Grimmer
	J. Conway.....	South Beach.....	L. Kreiger
	J. Conway.....	South Beach.....	J. Brauhav
	J. Conway.....	South Beach.....	Dominick Manfredi
	J. Conway.....	South Beach.....	Elsie Bell
	Chas. Crane.....	South Beach.....	James Cahill

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug. 25.	Emil Kuhn.....	South Beach.....	Joe Curley
Sept. 1.	Wm. De Matteo.....	South Beach.....	Nora Varley
	J. Conway.....	South Beach.....	Kate Granda
	J. Conway.....	South Beach.....	Leo Halburda

RESCUES

SOUTH BEACH

Date 1918	Member making rescue	Place where	Person rescued
June	2. Leo Schagrin.....	South Beach.....	John Doe
July	4. Crew.....	South Beach.....	E. Enger
	G. Garnett, Wm. Levine L. Verbeck.....	South Beach.....	Thos. Robertson
	G. Garnet, Wm. Levine, J. Morris, A. Newill, S. O'Brien, L. Schagrin.....	South Beach.....	E. Enger
	6. Victor Frolick.....	South Beach.....	John Posqually
	Victor Frolick.....	South Beach.....	Harry De Sautes
	Victor Frolick.....	South Beach.....	Miss A. Sunbardi
	Victor Frolick.....	South Beach.....	Mary Carlo
	14. W. Newill.....	South Beach.....	Max Mints
	21. L. Schagrin, M. Levine, F. Ver- beck, S. O'Brien.....	South Beach.....	Joe Doe
	Charles Curley.....	South Beach.....	Nettie Andriola
	22. G. Murphy.....	South Beach.....	Pongiatia Patrinos
	24. Victor Frolick.....	South Beach.....	Miss Hayes
	28. Joe Curley.....	South Beach.....	Henry Mancini
	George Evans.....	South Beach.....	Margaret Clark
	G. Garnett, M. Levine, G. Murphy.....	South Beach.....	Ray Mallone
Aug.	3. V. Frolick.....	South Beach.....	Mrs. Sullivan
	4. G. Murphy.....	South Beach.....	Edwin Tucker
	G. Murphy and Geo. Knoekle.....	South Beach.....	Wm Raiblob
	G. Garnett.....	South Beach.....	Joe Renslo
	10. J. Conway.....	South Beach.....	Eddie Bliss
	Victor Frolick.....	South Beach.....	Mrs. J. Miller
	11. Joe Curley and A. Newill.....	South Beach.....	Joe Rich
	12. Victor Frolick.....	South Beach.....	Miss Schaubc
	14. Geo. Evans.....	South Beach.....	Wm. Michter
	15. Joe Curley.....	South Beach.....	Tessie Denico
	19. Joe Curley.....	South Beach.....	E. Wolf

BOATS ASSISTED

SOUTH BEACH

Date 1918	Member giving assistance	Place where	Boats assisted
July	21. Crew.....	South Beach.....	Launch with 2 persons
Aug.	4. Crew.....	South Beach.....	Government launch and 10 persons
	28. Crew.....	South Beach.....	Launch " Maine "

BODIES RECOVERED

SOUTH BEACH

Date 1918	Member giving assistance	Place where	Body recovered
July	4. Crew.....	South Beach.....	Thos. Roberson
	7. G. Garnett, W. Levine, L. Ver- beck, A. Newill, C. Crane, G. Murphy.....	South Beach.....	Rob Coleman

FIRST AID

CAMP PRATT

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	22. Robert Juretie.....	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	Arthur Gluck
	Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	23. Robert Juretie.....	Camp Pratt.....	Talbert McConnell
	Robert Juretie.....	Camp Pratt.....	Theo. Fahnestock
	Robert Juretie.....	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	Robert Juretie.....	Camp Pratt.....	Edward Orrell
	Robert Juretie.....	Camp Pratt.....	James Johnson
	24. Robert Juretie.....	Camp Pratt.....	Geo. Helmsted
	Robert Juretie.....	Camp Pratt.....	Robert Henry
	26. Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	Robert Juretie.....	Camp Pratt.....	Arthur Long
	Robert Juretie.....	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	Robert Juretie
	Robert Juretie.....	Camp Pratt.....	Chas. Fernald
	Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	Robert Juretie.....	Camp Pratt.....	Chas. Mermann
	27. E. Studhalter.....	Camp Pratt.....	R. Mitchell
	K. Skinner.....	Camp Pratt.....	R. Decker
	K. Skinner.....	Camp Pratt.....	A. Epstein
	Robert Juretie.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	M. Pomerance
	28. W. Cacho.....	Camp Pratt.....	Julius Mayer
	W. Cacho.....	Camp Pratt.....	Irving Henry
	Robert Juretie.....	Camp Pratt.....	Ned Woldman
	Harold Weeks.....	Camp Pratt.....	Ned Woldman
	Harold Weeks.....	Camp Pratt.....	Arthur Gillis
	Harold Weeks.....	Camp Pratt.....	John Steinberg
	Harold Weeks.....	Camp Pratt.....	Joseph Pettit
	W. Cacho.....	Camp Pratt.....	Robert Henry
	H. Weeks.....	Camp Pratt.....	Andrew Hildemann
	Robert Juretie.....	Camp Pratt.....	Robert Senise
	H. Weeks.....	Camp Pratt.....	Adrian Kimber
	H. Weeks.....	Camp Pratt.....	Harold Weeks
	29. Robert Juretie.....	Camp Pratt.....	Adrian Kimber
	Robert Jureti.....	Camp Pratt.....	Richard Higgs
	Robert Juretie.....	Camp Pratt.....	Andrew Hildemann
	Chas. Krohn.....	Camp Pratt.....	Robert Henry
	Robert Juretie.....	Camp Pratt.....	David Wylie
	Chas. Krohn.....	Camp Pratt.....	Herbert Haase
	30. Chas. Krohn.....	Camp Pratt.....	Ned Woldman
	Chas. Krohn.....	Camp Pratt.....	Howard Summer
	Chas. Krohn.....	Camp Pratt.....	Chas. Fernald
	Chas. Krohn.....	Camp Pratt.....	Andrew Hildemann
	Chas. Krohn.....	Camp Pratt.....	Jos. Toliver
	Chas. Krohn.....	Camp Pratt.....	A. Long
	Chas. Krohn.....	Camp Pratt.....	Jame Maxwell
	Chas. Krohn.....	Camp Pratt.....	John Derby
	31. Chas. Krohn.....	Camp Pratt.....	Robert Juretie
	Robert Juretie.....	Camp Pratt.....	Joseph Carey
	Robert Juretie.....	Camp Pratt.....	Howard Summer
	Robert Juretie.....	Camp Pratt.....	Ned Woldman
	Chas. Krohn.....	Camp Pratt.....	Herbert Haase
	Chas. Krohn.....	Camp Pratt.....	Bob. Henry
	Chas. Krohn.....	Camp Pratt.....	Earl Crowley

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	1. Robert Juretie	Camp Pratt	David Wylie
	Robert Juretie	Camp Pratt	Joseph Carey
	Robert Juretie	Camp Pratt	Ned Woldman
	Robert Juretie	Camp Pratt	Adrian White
	Chas. Krohn	Camp Pratt	Roy Ruehl
	Robert Juretie	Camp Pratt	Edward Hildermann
	Robert Juretie	Camp Pratt	Chas. Fernald
	Chas. Krohn	Camp Pratt	Herman Rehse
	Chas. Krohn	Camp Pratt	Bob Juretie
	2. Robert Juretie	Camp Pratt	Joseph Mayo
	Robert Juretie	Camp Pratt	Ned Woldman
	Chas. Krohn	Camp Pratt	A. Long
	3. E. Studhalter	Camp Pratt	Henry Anderson
	E. Gropler	Camp Pratt	Robert Henry
	Robert Juretie	Camp Pratt	Percy Reynolds
	Robert Juretie	Camp Pratt	Adrian Kimber
	4. Harold Weeks	Camp Pratt	David Wylie
	Harold Weeks	Camp Pratt	Albert Keehin
	E. Studhalter	Camp Pratt	Adrian Kimber
	Harold Weeks	Camp Pratt	Henry Klin beil
	Harold Weeks	Camp Pratt	A. Irvine
	E. Studhalter	Camp Pratt	A. Irvine
	E. Studhalter	Camp Pratt	Robert Eldredge
	E. Studhalter	Camp Pratt	Perry Reynolds
	K. W. Skinner	Camp Pratt	Joseph O'Grady
	5. R. Overton	Camp Pratt	E. Rusch
June	27. Robert Juretie	Camp Pratt	Irving Henry
	30. E. Gropler	Camp Pratt	K. Skinner
	E. Gropler	Camp Pratt	Oscar Stephani
	Robert Juretie	Camp Pratt	Stanley Rovey
	Harold Weeks	Camp Pratt	Stewart Rosenplanter
	Harold Weeks	Camp Pratt	Leo Arpin
	Harold Weeks	Camp Pratt	H. Patton
July	1. Robert Juretie	Camp Pratt	Gabriel De Costered
	E. Gropler	Camp Pratt	Gabriel De Costered
	E. Gropler	Camp Pratt	Robert Juretie
	E. Gropler	Camp Pratt	Rob. Overton
	E. Gropler	Camp Pratt	E. Gropler
	E. Gropler	Camp Pratt	Robert Juretie
	2. Robert Juretie	Camp Pratt	Robert Senise
	E. Gropler	Camp Pratt	H. Patton
	E. Gropler	Camp Pratt	Gabriel De Costered
	E. Gropler	Camp Pratt	A. Kimber
	E. Gropler	Camp Pratt	R. Beaudine
	Robert Juretie	Camp Pratt	E. Gropler
	Robert Juretie	Camp Pratt	Wilbert Wesner
	Robert Juretie	Camp Pratt	H. Weber
	E. Gropler	Camp Pratt	Howard Sunahine
	E. Gropler	Camp Pratt	Robert Juretie
	3. R. Overton	Camp Pratt	W. Wesner
	E. Gropler	Camp Pratt	G. De Costered
	E. Gropler	Camp Pratt	E. Gropler
	Robert Juretie	Camp Pratt	Ned Woldman
	Robert Juretie	Camp Pratt	Royal Beaudine
	E. Gropler	Camp Pratt	W. Wesner
	R. Juretie	Camp Pratt	Edward Meyers
	4. Robert Juretie	Camp Pratt	Mr. Eybers
	E. Gropler	Camp Pratt	W. Burndt
	Robert Juretie	Camp Pratt	Robert Senise
	5. E. Gropler	Camp Pratt	Steinbuhler

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	5. Robert Juretie.....	Camp Pratt.....	Robert Juretie
	6. E. Gropler.....	Camp Pratt.....	E. Eybers
	E. Gropler.....	Camp Pratt.....	Ned Woldman
	E. Gropler.....	Camp Pratt.....	W. Weene
	E. Gropler.....	Camp Pratt.....	A. Kimber
	Robert Juretie.....	Camp Pratt.....	Charles Ferland
	Robert Juretie.....	Camp Pratt.....	Frank Smith
	7. Robert Overton.....	Camp Pratt.....	Robert Overton
	Robert Juretie.....	Camp Pratt.....	Geo. Schwillie
	E. Gropler.....	Camp Pratt.....	Robert Juretie
	E. Gropler.....	Camp Pratt.....	K. Wylie
	E. Gropler.....	Camp Pratt.....	A. Kimber
	H. Weeks.....	Camp Pratt.....	Chas. Krohn
	E. Studhalter.....	Camp Pratt.....	H. Barrows
	E. Studhalter.....	Camp Pratt.....	H. Weeks
	Robert Juretie.....	Camp Pratt.....	Chas. Mermann
	H. Weeks.....	Camp Pratt.....	H. Patton
	E. Studhalter.....	Camp Pratt.....	H. Patton
	E. Studhalter.....	Camp Pratt.....	Ned Woldman
	E. Gropler.....	Camp Pratt.....	Mr. Eybers
	Robert Overton.....	Camp Pratt.....	H. Hill
	Robert Overton.....	Camp Pratt.....	Phillip Meagher
	8. Robert Juretie.....	Camp Pratt.....	Russell Jekel
	Robert Juretie.....	Camp Pratt.....	David Lack
	Robert Juretie.....	Camp Pratt.....	Chas. Mermann
	Robert Juretie.....	Camp Pratt.....	Keith Wylie
	Robert Overton.....	Camp Pratt.....	Robert Juretie
	Robert Overton.....	Camp Pratt.....	Robert Juretie
	10. Robert Juretie.....	Camp Pratt.....	Ned Woldman
	Robert Juretie.....	Camp Pratt.....	Robert Juretie
	Robert Overton.....	Camp Pratt.....	Albert Schmille
	Robert Overton.....	Camp Pratt.....	Irving Lucas
	Robert Juretie.....	Camp Pratt.....	John Blaul
	Robert Juretie.....	Camp Pratt.....	W. Williams
	Robert Juretie.....	Camp Pratt.....	Philip Meagher
	Robert Juretie.....	Camp Pratt.....	Earle Croley
	Robert Juretie.....	Camp Pratt.....	Joward Sunshine
	Robert Juretie.....	Camp Pratt.....	Talbot McConell
	Robert Juretie.....	Camp Pratt.....	Ned Woldman
	Robert Juretie.....	Camp Pratt.....	Adrian Kimber
	11. Robert Overton.....	Camp Pratt.....	Harold Hill
	Robert Juretie.....	Camp Pratt.....	Chas. Mermann
	Robert Juretie.....	Camp Pratt.....	Robert Juretie
	12. Robert Juretie.....	Camp Pratt.....	Earl Crowley
	G. De Costered.....	Camp Pratt.....	James Brown
	G. Costered.....	Camp Pratt.....	James Brown
	Robert Overton.....	Camp Pratt.....	Robert Senise
	Robert Juretie.....	Camp Pratt.....	Jack Kollmeyer
	Robert Juretie.....	Camp Pratt.....	Chas. Mermann
	Robert Juretie.....	Camp Pratt.....	Raymond Bernard
	13. E. Studhalter.....	Camp Pratt.....	W. Cash
	H. Weeks.....	Camp Pratt.....	Bob Henry
	Robert Juretie.....	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	Robert Senise
	Robert Juretie.....	Camp Pratt.....	David Lack
	Robert Juretie.....	Camp Pratt.....	Geo. Hoffman
	E. Gropler.....	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	H. Hill
	Robert Juretie.....	Camp Pratt.....	Robert Senise
	14. H. Weeks.....	Camp Pratt.....	Chas. Krohn

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	14. H. Weeks.....	Camp Pratt.....	Chas. Krohn
	Robert Overton.....	Camp Pratt.....	Ned Woldman
	Robert Overton.....	Camp Pratt.....	Robert Senise
	H. Weeks.....	Camp Pratt.....	Adrian Kimber
	E. Gropler.....	Camp Pratt.....	S. Povey
	E. Studhalter.....	Camp Pratt.....	Wallace Cacht
	E. Studhalter.....	Camp Pratt.....	Robert Henry
	H. Weeks.....	Camp Pratt.....	Bob Henry
	E. Studhalter.....	Camp Pratt.....	S. Povey
	E. Studhalter.....	Camp Pratt.....	Robert Eldridge
	15. W. Cacho.....	Camp Pratt.....	P. Anderson
	W. Cacho.....	Camp Pratt.....	Ned Woldman
	W. Cacho.....	Camp Pratt.....	David Lack
	W. Cacho.....	Camp Pratt.....	Stanley Povey
	W. Cacho.....	Camp Pratt.....	Robt. Eldredge
	W. Cacho.....	Camp Pratt.....	Geo. Lind
	Robert Juretie.....	Camp Pratt.....	Philip Bachmann
	Robert Juretie.....	Camp Pratt.....	James Brown
	W. Cacho.....	Camp Pratt.....	Arthur Gluck
	W. Cacho.....	Camp Pratt.....	Harold Smith
	W. Cacho.....	Camp Pratt.....	Jas. Watson
	W. Cacho.....	Camp Pratt.....	G. Goeyer
	16. W. Cacho.....	Camp Pratt.....	H. R. Wilheymson
	W. Cacho.....	Camp Pratt.....	Arthur Long
	W. Cacho.....	Camp Pratt.....	Keith Wylie
	W. Cacho.....	Camp Pratt.....	Russell Decker
	W. Cacho.....	Camp Pratt.....	Robt. Eldredge
	W. Cacho.....	Camp Pratt.....	David Lack
	W. Cacho.....	Camp Pratt.....	Robt. Eldredge
	W. Cacho.....	Camp Pratt.....	Eugene Gluch
	W. Cacho.....	Camp Pratt.....	Arthur Gluch
	W. Cacho.....	Camp Pratt.....	Jas. Brown
	W. Cacho.....	Camp Pratt.....	Geo. Lind
	W. Cacho.....	Camp Pratt.....	David Wylie
	W. Cacho.....	Camp Pratt.....	Arthur Gluck
	W. Cacho.....	Camp Pratt.....	Jerome Cox
	W. Cacho.....	Camp Pratt.....	John Palmer
	17. Robert Juretie.....	Camp Pratt.....	Royal Beaudine
	Robert Juretie.....	Camp Pratt.....	Sydney Gross
	Robert Juretie.....	Camp Pratt.....	Walter Mickiewics
	Robert Juretie.....	Camp Pratt.....	Robert Eldredge
	Robert Juretie.....	Camp Pratt.....	Chas. Fernald
	Robert Juretie.....	Camp Pratt.....	Adrian Kimber
	Robert Juretie.....	Camp Pratt.....	Walter Mickiewics
	Robert Juretie.....	Camp Pratt.....	Sydney Gross
	Robert Juretie.....	Camp Pratt.....	Robert Henry
	Robert Juretie.....	Camp Pratt.....	Harry Patton
	Robert Juretie.....	Camp Pratt.....	Edward Orrell
	18. W. Cacho.....	Camp Pratt.....	T. Helmstedt
	W. Cacho.....	Camp Pratt.....	Adrian Kimber
	G. De Costered.....	Camp Pratt.....	W. Cacho
	Robert Juretie.....	Camp Pratt.....	T. O'Keefe
	Robert Juretie.....	Camp Pratt.....	Keith Wylie
	Robert Juretie.....	Camp Pratt.....	James Brown
	W. Cacho.....	Camp Pratt.....	Thos. Hoermann
	Robert Juretie.....	Camp Pratt.....	Adrian Kimber
	19. Robert Overton.....	Camp Pratt.....	Keith Wylie
	W. Cacho.....	Camp Pratt.....	Peter Anderson
	G. De Costered.....	Camp Pratt.....	S. Povey
	20. E. Gropler.....	Camp Pratt.....	James Brown

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Date 1918	Members rendering " first aid	Place where	Persons assisted
July	20. W. Cacho.....	Camp Pratt.....	Jerome Cox
	W. Cacho.....	Camp Pratt.....	John Palmer
	21. E. Gropler.....	Camp Pratt.....	Earl Crowley
	E. Gropler.....	Camp Pratt.....	Robert Overton
	E. Gropler.....	Camp Pratt.....	E. Studhalter
	E. Gropler.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	A. Irvine
	E. Gropler.....	Camp Pratt.....	Robert Henry
	22. Chas. Krohn.....	Camp Pratt.....	Herbert Haase
	Aug. 5. Robert Overton.....	Camp Pratt.....	Stewart Rosenplanter
	5. Robert Juretie.....	Camp Pratt.....	Perry Reynolds
	6. Robert Overton.....	Camp Pratt.....	Unknown
	Robert Juretie.....	Camp Pratt.....	Constant Moers
	Robert Juretie.....	Camp Pratt.....	Josep Boulbol
	Robert Overton.....	Camp Pratt.....	Howard Sunshine
	Robert Overton.....	Camp Pratt.....	Robert Overton
	Robert Overton.....	Camp Pratt.....	C. Moers
	Robert Overton.....	Camp Pratt.....	E. Devine
	7. Robert Overton.....	Camp Pratt.....	Joseph Boulard
	Robert Overton.....	Camp Pratt.....	Keith Wylie
	Robert Overton.....	Camp Pratt.....	Adrian Kimber
	Robert Overton.....	Camp Pratt.....	Edward Boulbol
	Robert Overton.....	Camp Pratt.....	Wm. Oddendahl
	Robert Overton.....	Camp Pratt.....	E. Ruseh
	8. Robert Overton.....	Camp Pratt.....	James Conroy
	Robert Overton.....	Camp Pratt.....	C. F. Sieber
	Robert Overton.....	Camp Pratt.....	S. J. Beck
	Robert Overton.....	Camp Pratt.....	W. J. Odendahl
	Robert Overton.....	Camp Pratt.....	Robert Overton
	Robert Overton.....	Camp Pratt.....	Lurinia White
	Robert Overton.....	Camp Pratt.....	Talbert McConnell
	9. Robert Overton.....	Camp Pratt.....	W. J. Odendahl
	Robert Overton.....	Camp Pratt.....	Howard Mead
	Robert Overton.....	Camp Pratt.....	Harry Patton
	Robert Overton.....	Camp Pratt.....	Tom O'Keefe
	Robert Overton.....	Camp Pratt.....	Edward Richardson
	Robert Overton.....	Camp Pratt.....	Albert White
	Robert Overton.....	Camp Pratt.....	Walter Rutherford
	Robert Overton.....	Camp Pratt.....	Edward Grose
	Robert Overton.....	Camp Pratt.....	Harry Madison
	Robert Overton.....	Camp Pratt.....	Nathan Gineberg
	10. Harold Weeks.....	Camp Pratt.....	Howard Mead
	Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	Robert Henry
	Harold Weeks.....	Camp Pratt.....	E. Devine
	Harold Weeks.....	Camp Pratt.....	Arthur Koesse
	Harold Weeks.....	Camp Pratt.....	Geo. Frits
	Chas. Krohn.....	Camp Pratt.....	J. Oberle
	11. K. Skinner.....	Camp Pratt.....	J. Cox
	K. Skinner.....	Camp Pratt.....	Henry Korvan
	12. Robert Overton.....	Camp Pratt.....	Kieth Wylie
	E. Gropler.....	Camp Pratt.....	Adrian White
	E. Gropler.....	Camp Pratt.....	Howard Sumner
	Harold Weeks.....	Camp Pratt.....	G. Tiffany
	Harold Weeks.....	Camp Pratt.....	David Wylie
	Harold Weeks.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	13. Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	Jas. Brown
	14. Harold Weeks.....	Camp Pratt.....	Chas. Walsh

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Aug.	15. Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	Chas. Fernald
	Harold Weeks.....	Camp Pratt.....	Kieth Wylie
	Harold Weeks.....	Camp Pratt.....	David Wylie
	Robert Overton.....	Camp Pratt.....	David Wylie
	Robert Overton.....	Camp Pratt.....	James Brown
	Robert Overton.....	Camp Pratt.....	Lucius White
	Harold Weeks.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	J. Ewald
	15. Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Harold Weeks.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	James Brown
	Harold Weeks.....	Camp Pratt.....	Robert Henry
	Harold Weeks.....	Camp Pratt.....	Adrian Kimber
	Harold Weeks.....	Camp Pratt.....	Harold Weeks
	16. Harold Weeks.....	Camp Pratt.....	Julius Oberle
	Harold Weeks.....	Camp Pratt.....	Robert Henry
	Harold Weeks.....	Camp Pratt.....	H. O. Patton
	Harold Weeks.....	Camp Pratt.....	Adrian White
	Harold Weeks.....	Camp Pratt.....	Earl Crowley
	17. Harold Weeks.....	Camp Pratt.....	H. Johnson
	Harold Weeks.....	Camp Pratt.....	Harry Madison
	Harold Weeks.....	Camp Pratt.....	Richard Suydam
	Harold Weeks.....	Camp Pratt.....	Kieth Wylie
	Harold Weeks.....	Camp Pratt.....	Robert Henry
	Harold Weeks.....	Camp Pratt.....	Lloyd Dukershire
	Harold Weeks.....	Camp Pratt.....	Lloyd Dukershire
	E. Gropler.....	Camp Pratt.....	Robert Henry
	Harold Weeks.....	Camp Pratt.....	Julius Oberle
	E. Gropler.....	Camp Pratt.....	Robert Henry
	18. Harold Weeks.....	Camp Pratt.....	Erle Canniff
	Harold Weeks.....	Camp Pratt.....	Earl Crowley
	E. Gropler.....	Camp Pratt.....	A. Bunde
	W. Cacho.....	Camp Pratt.....	C. Slack
	Harold Weeks.....	Camp Pratt.....	Earl Crowley
	19. Harold Weeks.....	Camp Pratt.....	David Wylie
	Harold Weeks.....	Camp Pratt.....	H. Patton
	Harold Weeks.....	Camp Pratt.....	Chas. Fernald
	Harold Weeks.....	Camp Pratt.....	Adrian Kimber
	Harold Weeks.....	Camp Pratt.....	Adrian Kimber
	Harold Weeks.....	Camp Pratt.....	Erle Canniff
	Robert Overton.....	Camp Pratt.....	Morris Blimenthal
	20. Robert Overton.....	Camp Pratt.....	Arthur Bunde
	M. Kempfner.....	Camp Pratt.....	Arthur Bunde
	M. Kempfner.....	Camp Pratt.....	David Wylie
	Harold Weeks.....	Camp Pratt.....	C. E. Slack
	Harold Weeks.....	Camp Pratt.....	Morris Blumenthal
	21. Robert Overton.....	Camp Pratt.....	Anthony Lapetina
	Robert Overton.....	Camp Pratt.....	Robert Overton
	22. Harold Weeks.....	Camp Pratt.....	Adrian Kimber
	Harold Weeks.....	Camp Pratt.....	Adrian Kimber
	Harold Weeks.....	Camp Pratt.....	Erle Canniff
	Harold Weeks.....	Camp Pratt.....	Harry Nienstedt
	Harold Weeks.....	Camp Pratt.....	Thos. O'Keefe
	Robert Overton.....	Camp Pratt.....	George Wald
	Harold Weeks.....	Camp Pratt.....	S. Vogel
	Harold Weeks.....	Camp Pratt.....	Arthur Long

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	26. E. Gropler.....	Camp Pratt.....	J. Mayer
	E. Gropler.....	Camp Pratt.....	Wm. Connoley
	27. M. Kemfner.....	Camp Pratt.....	M. Kemfner
	M. Kemfner.....	Camp Pratt.....	Chas. Tobias
	M. Kemfner.....	Camp Pratt.....	Arthur Bunde
	M. Kemfner.....	Camp Pratt.....	John Sullivan
	M. Kemfner.....	Camp Pratt.....	Murray Kemfner
	28. E. Gropler.....	Camp Pratt.....	Mathew Becht
	29. E. Gropler.....	Camp Pratt.....	F. Becht
	E. Gropler.....	Camp Pratt.....	Arthur Padgets
	E. Gropler.....	Camp Pratt.....	Mathew Becht
	E. Gropler.....	Camp Pratt.....	S. Vogel
	E. Gropler.....	Camp Pratt.....	A. Vogel
	E. Gropler.....	Camp Pratt.....	A. Keslin
	E. Gropler.....	Camp Pratt.....	Alfred Siess
	30. E. Gropler.....	Camp Pratt.....	A. Siess
	E. Gropler.....	Camp Pratt.....	Earl Crowley
	E. Gropler.....	Camp Pratt.....	Frank Smith
	E. Gropler.....	Camp Pratt.....	Matthew Becht
	E. Gropler.....	Camp Pratt.....	A. Kimber
	W. Cacho.....	Camp Pratt.....	H. Mareks
	31. Harold Weeks.....	Camp Pratt.....	Harry Nienstedt
	E. Gropler.....	Camp Pratt.....	A. Siess
	E. Gropler.....	Camp Pratt.....	A. Keslin
	E. Gropler.....	Camp Pratt.....	F. Barrett
	E. Gropler.....	Camp Pratt.....	W. Riley
	E. Gropler.....	Camp Pratt.....	G. Waxman
	E. Gropler.....	Camp Pratt.....	A. Gillies
	E. Gropler.....	Camp Pratt.....	A. Kimber
	E. Gropler.....	Camp Pratt.....	H. Mead
Sept.	1. Harold Weeks.....	Camp Pratt.....	G. Waxman
	Harold Weeks.....	Camp Pratt.....	L. White
	Harold Weeks.....	Camp Pratt.....	Adrian White
	R. Novarine.....	Camp Pratt.....	Murray Kempner
	Harold Weeks.....	Camp Pratt.....	H. Wienstedt
	Harold Weeks.....	Camp Pratt.....	Walter Riley
	Harold Weeks.....	Camp Pratt.....	Arthur Gillies
	E. Gropler.....	Camp Pratt.....	Arthur Clausen
	K. Skinner.....	Camp Pratt.....	Henry Koruan
	R. Novarine.....	Camp Pratt.....	Thos. O'Keefe
	K. Skinner.....	Camp Pratt.....	James Crowley
	2. R. Novarine.....	Camp Pratt.....	Fred Kaiser
	W. Cacho.....	Camp Pratt.....	Richard Crowley
	Chas. Krohn.....	Camp Pratt.....	Roy Ruehl

RESCUES

CAMP PRATT

Date 1918	Member making rescue	Place where	Person rescued
July	3. E. Gropler.....	Camp Pratt.....	Irving Winters
	E. Gropler.....	Camp Pratt.....	Keith Wylie
14.	E. Gropler, R. Juretie, G. De Costered.....	Camp Pratt.....	Harry Heller
	E. Gropler, R. Juretie, G. De Costered.....	Camp Pratt.....	H. Mead
18.	Robert Juretie.....	Camp Pratt.....	George Schwillie
	Robert Juretie, G. DeCostered..	Camp Pratt.....	James Brown
	Robert Juretie.....	Camp Pratt.....	Harry Patton
Aug.	12. Harold Weeks.....	Camp Pratt.....	Keith Wylie

BOATS ASSISTED

CAMP PRATT

Date 1918	Members giving assistance	Place where	Boats assisted
June	30. R. Juretie, H. Weeks, E. Gropler	Camp Pratt.....	1 row boat
	Entire crew.....	Camp Pratt.....	4 row boats
July	1. R. Juretie, E. Gropler.....	Camp Pratt.....	1 row boat
	R. Overton.....	Camp Pratt.....	T. Simpson Maconkey and boat
	2. E. Gropler.....	Camp Pratt.....	1 row boat
	6. E. Gropler, R. Overton, R. Juretie, H. Weeks	Camp Pratt.....	Tug boat "Susan A. Moran"
	R. Juretie, R. Overton, E. Gropler.....	Camp Pratt.....	"Swan 2" and 1 person
Aug.	14. Harold Weeks and E. Rausch..	Camp Pratt.....	2 row boats
	31. H. Gubrick, E. Gopler, H. Weeks.....	Camp Pratt.....	2 row boats
	E. Gropler.....	Camp Pratt.....	1 row boat and 2 persons

WRECKAGE REMOVED

CAMP PRATT

Date 1918	Member given assistance	Place where	Wreckage removed
July	1. R. Juretie, E. Gropler.....	Camp Pratt.....	1 spile
	2. R. Juretie, E. Gropler and R. Overton.....	Camp Pratt.....	4 logs
	3. R. Overton, E. Gropler.....	Camp Pratt.....	1 log
	6. R. Juretie, E. Gropler.....	Camp Pratt.....	1 log
	8. R. Juretie, R. Overton.....	Camp Pratt.....	1 log
	14. H. Weeks.....	Camp Pratt.....	25 feet logs
	20. H. Weeks and E. Gropler.....	Camp Pratt.....	1 log
	21. H. Weeks and Chas. Krohn....	Camp Pratt.....	Wreckage from small boat
	26. R. Overton, R. Juretie, R. Senise	Camp Pratt.....	2 barrels
	28. Harold Weeks.....	Camp Pratt.....	Log
Aug.	15. Harold Weeks.....	Camp Pratt.....	Log

FIRST AID

OCEAN EDGE

Date 1918	Members rendering "first aid"	Place where	Persons assisted
June	8. Henry Carl.....	Ocean Edge.....	Peter O'Connor
	Norman Welsh.....	Ocean Edge.....	Jasper Freidman
July	8. T. Poets.....	Ocean Edge.....	Iadore Illitaky
	S. Ernsthall.....	Ocean Edge.....	Will Shreifer
	9. Norman Welsh.....	Ocean Edge.....	G. Heckt
	10. C. O'Connor.....	Ocean Edge.....	Adele Peterson
	13. T. Poets.....	Ocean Edge.....	L. Faulter
	14. Sam Bellows.....	Ocean Edge.....	H. Morris
	H. Lurocott.....	Ocean Edge.....	J. Breivogel
	15. H. Lurocott.....	Ocean Edge.....	H. Morris
	H. Lurocott.....	Ocean Edge.....	Charles Morris
	H. Lurocott.....	Ocean Edge.....	Unknown
	H. Lurocott.....	Ocean Edge.....	Ronnie Sheedy
	16. Sam Bellows.....	Ocean Edge.....	Alex Mickewits
	18. Sam Bellows.....	Ocean Edge.....	Alex Mickewits
	P. O'Connor.....	Ocean Edge.....	William Shrufer
	12. W. H. Ahrens.....	Ocean Edge.....	J. W. Van Allen
	21. W. H. Ahrens.....	Ocean Edge.....	J. Stumpf

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Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	21. Sam Bellows.....	Ocean Edge.....	S. Lutosky
	C. Paker.....	Ocean Edge.....	Ida Hanson
	23. Sam Bellows.....	Ocean Edge.....	Helen Smith
	Bill Ahrens.....	Ocean Edge.....	Alfred Srafton
	H. Lureott, P. O'Connor.....	Ocean Edge.....	Joe Mele
	H. Lureott.....	Ocean Edge.....	Hilda Nordstrom
	27. C. O'Connor.....	Ocean Edge.....	James Conley
	28. Chas. Durlach.....	Ocean Edge.....	Wm. Durlach
	Norman Welsh.....	Ocean Edge.....	S. Earnthal
	Norman Welsh.....	Ocean Edge.....	Geo. Kraas
Aug.	Norman Welsh.....	Ocean Edge.....	Rose Murphy
	29 Joe Breivogel.....	Ocean Edge.....	Henry Earl
	Peter O'Connor.....	Ocean Edge.....	John Hopper
	30. J. Breivogel.....	Ocean Edge.....	Hilda Nordstrom
	A. Grestorex.....	Ocean Edge.....	S. Earnthal
	P. O'Connor.....	Ocean Edge.....	P. O'Connor
	Norman Welsh.....	Ocean Edge.....	B. Kelly
	31. S. Bellows.....	Ocean Edge.....	A. Grestorex
	S. Bellows.....	Ocean Edge.....	P. O'Connor
	3. Charles O'Connor.....	Ocean Edge.....	S. Dalesio
Sept.	Norman Welsh.....	Ocean Edge.....	Ralph Joseph
	4. W. Hopper.....	Ocean Edge.....	Peter O'Connor
	P O'Connor.....	Ocean Edge.....	H. Earl
	5. P. O'Connor.....	Ocean Edge.....	Wm. Garry
	J. Breivogel.....	Ocean Edge.....	Jack Eaton
	6. T. Poets.....	Ocean Edge.....	H. Lureott
	Sam Bellows.....	Ocean Edge.....	Irma Peyton
	7. Sam Bellows.....	Ocean Edge.....	H. Debus
	8. J. Breivogel.....	Ocean Edge.....	J. Hopper
	H. Carl.....	Ocean Edge.....	A. Hoppe
Sept.	Sam Bellows, C. O'Connor.....	Ocean Edge.....	Unknown woman
	C. O'Connor.....	Ocean Edge.....	Charles Wood
	9. P. O'Connor.....	Ocean Edge.....	Joe Breivogel
	Joe Breivogel.....	Ocean Edge.....	Madeline Schmehl
	Sam Bellows.....	Ocean Edge.....	Victor Susman
	Sam Bellows.....	Ocean Edge.....	Thomas Masterson
	J. Breivogel.....	Ocean Edge.....	P. O'Connor
	12. P. O'Connor.....	Ocean Edge.....	Geo. Rasmussen
	19. T. Poets.....	Ocean Edge.....	Al. Silver
	22. Joe Breivogel.....	Ocean Edge.....	A. Denan
Sept.	J. Breivogel.....	Ocean Edge.....	John Hopper
	24. W. Ahrens.....	Ocean Edge.....	Adele Schulten
	25. Wm. Ahrens.....	Ocean Edge.....	Edgar Mets
	1. T. Poets.....	Ocean Edge.....	Al. Silver
	2. T. Poets.....	Ocean Edge.....	Mr. Schiebe
	T. Poets.....	Ocean Edge.....	E. Holts
	6. H. Carl.....	Ocean Edge.....	P. O'Connor
	9. C. Anderson.....	Ocean Edge.....	J. Burgess

RESCUES

OCEAN EDGE

Date 1918	Member making rescue	Place where	Persons rescued
July	22. S. Earnthal.....	Ocean Edge.....	Mr. Mecklowits
Aug.	5. S. Earnthal.....	Ocean Edge.....	John Wood
	8. Bellows.....		
	8. S. Earnthal.....	Ocean Edge.....	Unknown man
	27. S. Earnthal.....	Ocean Edge.....	Peter Stuyvesant

STATE OF NEW YORK

BOATS ASSISTED

OCEAN EDGE

Date 1918	Member giving assistance	Place where	Boats rescued
Aug. 9.	C. Feker	Ocean Edge.....	Old canoe
	P. O'Connor.....		
Sept. 5.	G. Rand	Ocean Edge.....	Keansburg boat
	E. Young.....		
	P. O'Connor.....		

WRECKAGE

OCEAN EDGE

Date 1918	Member giving assistance	Place where	Wreckage removed
July 27.	Joe Breivogel.....	Ocean Edge.....	Water soaked log
	Peter O'Connor.....		
	Sam Bellows.....		
Aug. 5.	H. Carl	Ocean Edge.....	Bottom of old boat
	P. O'Connor.....		
	T. Poets	Ocean Edge.....	Drift wood
	S. Bellows.....		
12.	P. O'Connor.....	Ocean Edge.....	One barrall of glass
	C. O'Connor.....		
	J. Breivogel.....		

FIRST AID

MOUNT LORETTA

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Sept. 1.	Charles Banett.....	Mount Loretta.....	John Sullivan
	Joseph Pieper.....	Mount Loretta.....	Joseph Smith
	Eugene Glavin.....	Mount Loretta.....	Joseph Murray

RESCUE

MOUNT LORETTA

Date 1918	Member making rescue	Place where	Person rescued
Aug. 26.	Ralph Lill.....	Mount Loretta.....	Jos. Walnderp

ASSISTANCE RENDERED

MOUNT LORETTA

Date 1918	Members rendering assistance	Place where	Assisted
Sept. 2.	Chas. Banett.....	Mount Loretta.....	6 Unknown persons in launch
	Glavin.....		
	Monahan.....		
	Gusso.....		

FIRST AID

CRESCENT BEACH

Date 1918	Members rendering " first aid "	Place where	Persons assisted
July 9.	Chas. Herr.....	Crescent Beach.....	Chas. Boah
	Chas. Herr.....	Crescent Beach.....	Unknown man
	Al Andelmann.....	Crescent Beach.....	Unknown man

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1918 251

RESCUES

CRESCENT BEACH

Date	Member making rescue	Place where	Person rescued
1918			
July 28.	Ed. Hedman.....	Crescent Beach.....	2 Unknown persons
	Wm. Egloff.....		
	F. White.....		

BOATS ASSISTED

CRESCENT BEACH

Date	Member giving assistance	Place where	Boats assisted
1918			
July 28.	Al Andelmann	Crescent Beach	Rowboat
	Chas. Herr	Crescent Beach	Rowboat

FIRES EXTINGUISHED

CRESCENT BEACH

Date	Member giving assistance	Place where	Fire extinguished
May 1918	24. Chas. Herr	Crescent Beach	Three bungalows
June	2. Chas. Herr	Crescent Beach	Glides Hotel, Great Kills

WRECKAGE

CRESCENT BEACH

Date	Member given assistance	Place where	Wreckage removed
1918			
July 12	Chas. Herr	Crescent Beach	Logs and glass

BODY RECOVERED

CRESCENT BEACH

Date	Member giving assistance	Place where	Body recovered
1918			
July 30.	Crew.....	Crescent Beach.....	Marie Devine

FIRST AID

SOUTHFIELD BEACH

Date 1918	Members rendering "first aid"	Place where	Persons assisted
July	21. George C. Rand	Southfield	A. Babst
	George C. Rand	Southfield	Walter Parsons
	27. George C. Rand	Southfield	Beatrice Bedvil
	28. George C. Rand	Southfield	Mrs. Buerfeld
	George C. Rand	Southfield	Gertrude Nollins
	George C. Rand	Southfield	James Brennan
	George C. Rand	Southfield	Helen Sommers
Aug.	4. George C. Rand	Southfield	Gertrude Nollins
	George C. Rand	Southfield	James Brennan
	George C. Rand	Southfield	Helen Somers
	George C. Rand	Southfield	R. Kilby
	8. R. Ferguson	Southfield	Mrs. Johnston
	George Rand	Southfield	Thomas Norton
	11. George Rand	Southfield	S. Rothkolsky
	George Rand	Southfield	Sadie Miller
	George Rand	Southfield	James Archer

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Aug.	17. George Rand.....	Southfield.....	Joseph Sobel
	18. George Rand.....	Southfield.....	R. C. Coventry
	R. Ferguson.....	Southfield.....	Joseph Ashurst
	19. William Kitler.....	Southfield.....	James Miller
	20. George Rand.....	Southfield.....	Marie Oelrich
	Wm. Kitler.....	Southfield.....	Harold Rader
	21. Charles Krohm.....	Southfield.....	Marian Arnold

ST. GEORGE DIVISION

Date 1918	Members rendering "first aid"	Place where	Persons assisted
Jan.	2. C. Hall.....	St. George Ferry.....	Joseph Duggan
	12. C. Hall.....	St. George Ferry.....	John Smith
	27. C. Hall.....	St. George Ferry.....	John Simpkins
Feb.	11. Wm. Bruns.....	St. George Ferry.....	Jos. Farran
	15. J. Martin.....	St. George Ferry.....	Unknown
Mar.	5. C. Hall.....	St. George Ferry.....	Henry Cullen
	15. C. Hall.....	St. George Ferry.....	Geo. Frits
	26. W. Bruns.....	St. George Ferry.....	Frank Mackay
Apr.	4. Thomas Casey.....	St. George Ferry.....	Wm. Ward
	10. C. Hall.....	St. George Ferry.....	Patrick Morgan
	12. C. Hall.....	St. George Ferry.....	John Kempton
	17. C. Hall.....	St. George Ferry.....	Frank De Nyse
May	4. C. Hall.....	St. George Ferry.....	Tony Rooce
	6. Joseph Smith.....	St. George Ferry.....	Joseph Discuall
	10. C. Hall.....	St. George Ferry.....	Manuel Cavorly
	12. Joseph Smith.....	St. George Ferry.....	Lasarus Silverman
	16. C. Hall.....	St. George Ferry.....	Robert Sterlings
June	7. C. Hall.....	St. George Ferry.....	John Clark
	11. Joseph Smith.....	St. George Ferry.....	James Smith
	C. Hall.....	St. George Ferry.....	Frank Henry
	17. C. Hall.....	St. George Ferry.....	John Martin
	C. Hall.....	St. George Ferry.....	Manuel Cavorly
	21. Harry Glinn.....	St. George Ferry.....	James Ritchie
	25. Joseph Smith.....	St. George Ferry.....	Cornelius Driscoll
	28. Joseph Smith.....	St. George Ferry.....	Anthony Volpe
July	4. Henry Track.....	St. George Ferry.....	Charles Dittmar
	7. C. Hall.....	St. George Ferry.....	John Huttar
	8. C. Hall.....	St. George Ferry.....	Joseph Levy
	12. C. Hall.....	St. George Ferry.....	John Connors
	22. Joseph Smith.....	St. George Ferry.....	Alex Hanley
Aug.	1. Harry McGrath.....	St. George Ferry.....	Charles Sinnot
	4. C. Hall.....	St. George Ferry.....	Joseph Smith
	7. C. Hall.....	St. George Ferry.....	Mary Kelly
	H. Track.....	St. George Ferry.....	Unknown
	16. C. Hall.....	St. George Ferry.....	Joseph Levy
	17. Joseph Carey.....	St. George Ferry.....	Thomas Brown
	21. C. Hall.....	St. George Ferry.....	Tony Glavine
	C. Hall.....	St. George Ferry.....	Joseph Wilson
	27. C. Hall.....	St. George Ferry.....	John Collins
	31. C. Hall.....	St. George Ferry.....	John McNamara
Sept.	2. C. Hall.....	St. George Ferry.....	John Martin
	3. Joseph Smith.....	St. George Ferry.....	Albert Wilson
	6. Joseph Smith.....	St. George Ferry.....	Thomas Casey
	7. Arthur Foley.....	St. George Ferry.....	George Drilla
	14. Henry Track.....	St. George Ferry.....	James Carroll
	28. J. Smith.....	St. George Ferry.....	Walker Small
Oct.	5. H. Track.....	St. George Ferry.....	Victor Johnson
	21. C. Hall.....	St. George Ferry.....	John Blumert

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1918 253

Date 1918	Members rendering " first aid "	Place where	Persons assisted
Oct.	22. C. Hall.....	St. George Ferry.....	Frederick Holland
	Harry Glinn.....	St. George Ferry.....	Carson Bergh
Nov.	24. Harry Glinn.....	St. George Ferry.....	Daniel O'Connor
	1. C. Hall.....	St. George Ferry.....	John McMahon
	5. Wm. Bruns.....	St. George Ferry.....	John Carmichael
	8. C. Hall.....	St. George Ferry.....	Italian laborer

RESCUES

ST. GEORGE DIVISION

Date 1918	Member making rescue	Place where	Persons rescued
Jan.	27. George Frits.....	St. George Ferry.....	Michael Reilly
	J. Levy.....		
	C. Hall.....		
May	3. H. Stiglin.....	St. George Ferry.....	Terance McCarthy
	J. Brennan.....		
	T. Casey.....		
	11. C. Hall.....		
	30. J. Paterson.....	St. George Ferry.....	Louis Galli
	Leroy.....		
	26. L. Moser.....		
Aug.	Captain Brested.....	St. George Ferry.....	Ignats Sakloff
	14. C. Hall.....		
	23. C. Hall.....		
	Harry Glinn.....		
Oct.	14. C. Hall.....	St. George Ferry.....	Joseph Cody
	23. C. Hall.....	St. George Ferry.....	Joseph Cody

BODY RECOVERED

ST. GEORGE DIVISION

Date 1918	Member giving assistance	Place where	Body recovered
May	30. C. H. Hall.....	St. George Division.....	Unknown man

FIRST AID

RARITAN BAY PARK

Date 1918	Members rendering " first aid "	Place where	Persons assisted
July	30. P. Waamund.....	Raritan Bay.....	Mildred Johnson
Aug.	4. Geo. Kayser.....	Raritan Bay.....	Katie Homes
	George Kayser.....	Raritan Bay.....	W. Stouklex
	25. R. Kayser.....	Raritan Bay.....	Arnold Worfolk
	Surfman Sickles.....	Raritan Bay.....	Laura Palmer
	Surfman Kayser.....		
	Surfman Engle.....		
	Surfman Harris.....		
	Surfman Chapman.....		
	Surfman Waterson.....		
Sept.	31. C. Harris.....	Raritan Bay.....	E. Derastro
	2. L. Rauschkolb.....	Raritan Bay.....	W. Branth

RESCUES

RARITAN BAY PARK

Date 1918	Member making rescue	Place where	Persons rescued
July 14.	G. Kayser.....	Raritan Bay.....	R. Thompson and W. Stanton
	Chapman.....		
	Hiems.....		
	Stricklin.....		
	Engel.....		
	Weber.....		
	Combs.....		

BODY RECOVERED

RARITAN BAY PARK

Date 1918	Member giving assistance	Place where	Body recovered
July 21.	C. Harris.....	Raritan Bay.....	Leon Lubr
	G. Sabine.....		

STATION ATTENDANCE AS SHOWN BY WEEKLY REPORTS ON FILE AT HEADQUARTERS, NEW YORK CITY DEPARTMENT OF THE U. S. VOL. LIFE SAVING CORPS.

Manhattan:

1 Red Wing Boat Club.....	1,681
2 Allen Point Yacht Club.....	501
3 Queensboro Bridge.....	2,517
4 Cygnet Boat Club.....	4,182
5 Harlem.....	319
6 Riverside.....	1,220
7 Headquarters.....	493
8 Riverdale.....	131
9 Yorkville Division.....	2,147
10 Grand Central Palace.....	91

Total.....	13,282
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Brooklyn:

1 Gravesend.....	53
2 Washington.....	249
3 Dreamland.....	421
4 Parkway.....	118
5 Sheepshead Bay Point.....	149
6 Thales.....	281
7 Plum Beach.....	702
8 Drifter Boat Club.....	362
9 Dyker Beach.....	764
10 Central Y. M. C. A.....	15
11 Sands Bay.....	14
12 Steeplechase.....	354

Total.....	3,482
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Bronx:

1 Port Morris.....	2,840
2 Barretto Point.....	315
3 Hunters Island.....	1,177

Total.....	4,332
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Queens:

1 Hell Gate.....	289
2 Rockaway Point.....	7
3 Rockaway Beach.....	273
4 Rockaway Bay Station.....	314
5 Pleasant Point Old Mill.....	290
6 Broad Channel.....	34
7 Tent City.....	111

Total.....	1,318
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Richmond:

1 South Beach.....	535
2 Southfield Beach.....	139
3 Ocean Edge.....	1,284
4 Raritan Bay Park.....	321
5 Woodland Beach.....	257
6 Crescent Beach.....	2,611
7 Camp Pratt.....	287
8 Mt. Loretto.....	1,877

Total.....	7,311
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Total all Boroughs.....	29,725
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NEW YORK CITY APPROPRIATION 1918 UNITED STATES VOLUNTEER LIFE SAVING CORPS.

Personal service:

Salaries regular employees:

1790.	Supervisor (Volunteer Life Saving Corps)	\$1,500 00	
	Secretary	1,440 00	
	Junior typist	660 00	
	General mechanic	1,080 00	
	Schedule total	\$4,680 00	
	Total personal service		\$4,680 00

Supplies:

1792.	Office supplies	\$230 00	
1793.	Medical and surgical supplies	390 00	
1794.	Other supplies	183 00	
	Total supplies		803 00

Equipment:

1795.	Medical and surgical equipment	\$375 00	
1796.	Wearing apparel	62 00	
1797.	General plant equipment	1,570 00	
	Total equipment		2,007 00
1797A.	Materials		550 00

Contract or open order service:

1798.	Repairs and replacements	\$200 00	
1799.	Transportation	200 00	
	Total contract or open order service		400 00
1800.	Contingencies		200 00

Departmental total		\$8,840 00
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**Statement of the Condition as at the Close of Business (Close of the Year 1918) of all Appropriation Accounts for
the Current Year.**

Code number	TITLE OF ACCOUNT	Appropriation, including transfer (if any) by board of estimate and apportionment	New funds available	Net vouchers registered based on cancellations and adjustments	Unex- pended balances	Unencum- bered balances
1790-1918.....	Salaries, regular employees:	\$1,500 00	\$1,500 00	\$1,500 00	.....	.....
1790-1918.....	Supervisor.....	1,440 00	1,440 00	1,440 00	.....	.....
1790-1918.....	Secretary.....	632 50	632 50	632 50	.....	.....
1790-1918.....	Junior typist.....	630 00	630 00	630 00	.....	.....
1790-1918.....	General mechanic.....					
1792-1918.....	Supplies:					
1793-1918.....	Office supplies.....	230 00	230 00	228 74	\$3 26	\$3 26
1794-1918.....	Medical and surgical supplies.....	390 00	390 00	374 11	15 89	15 89
1794-1918.....	Other supplies.....	183 00	183 00	182 89	11	11
1795-1918.....	Equipment:					
1796-1918.....	Medical and surgical equipment.....	375 00	375 00	277 17	97 83	97 83
1797-1918.....	Wearing apparel.....	62 00	62 00	62 00	.....	.....
1797-1918.....	General plant equipment.....	1,570 00	1,570 00	1,567 70	2 30	2 30
1798-1918.....	Materials.....	550 00	550 00	549 95	05	05
1799-1918.....	Contract or open order service:					
1800-1918.....	Repairs and replacements.....	200 00	200 00	200 00	.....	.....
1800-1918.....	Transportation.....	200 00	200 00	198 88	12	12
1801-1918.....	Contingencies.....	200 00	200 00	199 60	40	40
	Total.....	\$8,162 50	\$8,162 50	\$8,042 54	\$119 96	\$119 96

PROFICIENCY TEST
of the
New York City Department of the United States Volunteer Life
Saving Corps
Instruction in Life Saving Methods
Instruction in Buoy Throwing
Instruction in Resuscitation

Use of Lungmotor, Use of Pulmotor, Knot Splicing, Knot
Tying. Instruction in these subjects will be given at headquarters.

TEST

1 — Under water swim, 35 feet.....	.05
2 — Show three breaks	
a. Front strangle .....	.05
b. Back strangle .....	.05
c. Around both shoulders.....	.05
	<hr/>
Total .....	.15
3 — Demonstrate the method of breaking the front strangle hold when rescue is made by the third party. This must be shown in such a way that neither party can grasp the rescuer.....	.05
4 — Swim	
a. Sixty feet, using back stroke with hands out of water .....	.04
b. Sixty feet, using side stroke, one arm only .....	.04
c. Sixty feet, using breast stroke.....	.02
	<hr/>
Total .....	.10
5 — Swim	
a. Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use side carry) .....	.10
b. Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use back carry) .....	.10
	<hr/>
Total .....	.20
6 — Swim sixty feet, dive from surface to bottom and bring up a weight of ten pounds. Swim ten feet, carrying weight .....	.05

7 — Throw a nineteen-inch life ring with sixty-five feet of line over a mark and between two uprights six feet apart placed forty feet from starting mark. Record and make three throws in stated time (for each perfect throw .05).	
Total .....	.15
8 — Resuscitation, Schaefer method.....	.15
9 — Splicing and knot-tying.....	.10

This test is not compulsory and only members are allowed to take same.

Members must show membership card before being admitted to classes.

All tests for water-work must be taken on the same evening.

Each member passing the proficiency test with 75 per cent will receive a proficiency medal.

The record of each man winning a medal will be kept at headquarters.

JOINING THE UNITED STATES VOLUNTEER LIFE-SAVING CORPS.

Department of the City of New York.

The Corps offers facilities for actual Life-Saving and First Aid Work, Swimming, Boat Practice, Medical Instructions, Signalling, and Healthy Life in the Open.

The United States Volunteer Life-Saving Corps is formed to save life from drowning by the following means:

1. Establishing volunteer crews at water front danger points where there is no government life-saving station.
2. Giving instructions in swimming, boat handling, rescuing and resuscitating the apparently drowned, first aid to the injured, signalling, etc.
3. Providing life-saving apparatus and means to save life with the least risk on the part of the rescuer.
4. Erecting suitable life-saving and emergency stations.
5. Presenting medals and awards for heroic rescues or attempts at rescue.
6. Preserving records of heroic acts and faithful service in the Corps.
7. Giving exhibitions of work in rescue, resuscitation, and all sorts of "first aid" and relief work for public instruction.
8. Promoting improvements and inventions of life-saving appliances and equipment.

The Water Test Before Enlistment.

A. Applicants for membership must swim at least 100 yards without the help of tide or current.

B. In order to facilitate recovering a drowned person quickly the applicant must go down from the surface in seven to ten feet of water and bring up a given object. Officers must bring up a weight.

C. The candidate is required to carry a person near his own weight, by three of the six carries taught by the Corps (in deep water), while swimming twenty yards.

D. The candidate must demonstrate in deep water the method of breaking three of the six death grip holds taught by the Corps.

E. He must inquire into and perfect himself in the Schaefer method of resuscitation of the apparently drowned.

Commissioned officers must hold themselves ready for a quiz on resuscitation at any time, and to protect their commission hold a "first aid" certificate of fitness to render assistance to the injured.

To Join the Corps.

The requirements are for males, 18 years or over, in sound health, who shall apply, pass the water-work test, enlist and be accepted by a recognized station. The enlistment, with the endorsement of the examining board and the station commander, is forwarded to headquarters, when a numbered acknowledgment card and a membership button (celluloid) is issued without charge. The member can then purchase and wear while a member the badge and bathing emblem of his rank on requisition to headquarters of his commander.

Members of all Corps, house or tent stations are required to provide themselves with the white sailor suit and the Corps emblem on the bathing suit to render full efficiency. No dues are required for membership in the United States Life-Volunteer Saving Corps.

The Corps has a uniform bathing suit of black, with a red band over the right shoulder and under the left arm, which serves to identify members in a crowd. They can be obtained in cotton or wool, and in one or two pieces.

The Duties of a Member of the Corps.

A. Each surfman while on duty, be it shore or boat, drills or parade, meeting or class, must obey the orders of his commanding officers.

B. Must abide by all the rules and regulations of the Corps.

C. Report for duty promptly at the times and places assigned him for compulsory duty and compulsory drill.

D. Must live up to his obligation as a life-saver to the best of his ability.

E. Must serve the full period of his enlistment (two years), unless resigning for good reason (in writing to proper officers).

F. Keep his commanding officer informed of his address, for station and headquarters.

G. May exchange stations by means of written request, if acceptable to both commanders.

H. On all occasions he must yield a ready and cheerful obedience to those placed over him; be attentive to his duties, avoid difficulties with other members, and by his conduct and zeal endeavor to promote the efficiency of the entire Corps and further its humanitarian work.

N. B.—Compulsory duty assignments come only in free time, Sundays and holidays, or in event of stupendous disaster.

ANNUAL REPORT
OF THE
UNITED STATES VOLUNTEER
LIFE SAVING CORPS
OF THE
STATE OF NEW YORK

For the Year Ending December 31, 1919

**ANNUAL REPORT OF THE UNITED STATES VOLUNTEER
LIFE SAVING CORPS FOR THE YEAR END-
ING DECEMBER 31, 1919.**

HEADQUARTERS, ROOM 336, MUNICIPAL BUILDING,
NEW YORK CITY.

To the Legislature of the State of New York:

GENTLEMEN.—The officers and directors of the United States Volunteer Life Saving Corps for the Department of the State of New York hereby transmit their report of the work of the organization for the year ending December 31, 1919, which they submit for your consideration.

CARLL S. BURR,
President.

BOARD OF GOVERNORS.

HON. CARLL S. BURR.....Suffolk Co., N. Y.
HON. W. W. COCKS.....Suffolk Co., N. Y.
HON. IVENS SHERR.....New York City
HON. MAJOR PHILIP E. REVILLE.....New York City
HON. WILLIAM WIRT MILLS.....New York City

OFFICERS.

CARLL S. BURR.....President
IVENS SHERRSecretary
CHAS. E. RAYNOR.....Superintendent
IDA OSBORNEAssistant Secretary

REPORT.

SOME THINGS THE U. S. LIFE-SAVING CORPS HAS DONE.

Lives Saved in Various Ways Up To 1905 Is 6,776.

	Rescued	First Aid	Assisted	Boats	Bodies	Animals	Wreckage
1905	324	....	....	....	....	....	....
1906	460	98	111	....	....	....	....
1907	242	128	316	80	....	....	....
1908	325	340	305	123	....	....	....
1909	268	847	716	223	....	11	....
1910	283	565	238	135	20	12	....
1911	190	850	483	106	19	20	....
1912	212	1,978	392	126	12	13	....
1913	325	4,267	531	213	17	4	....
1914	431	8,441	964	320	30	6	109
1915	424	6,027	770	379	13	1	1,122
1916	425	5,016	777	385	14	2	1,996
1917	421	6,604	919	315	36	9	399
1918	240	4,373	513	159	11	6	240
<hr/>							
Total ...	4,570	39,536	7,035	2,564	172	84	3,866

IN THE YEAR 1919 THE WORK OF THE CORPS CONSISTED OF

Actual rescues from drowning.....	222
"First Aid"	3,641
Boats assisted	236
Persons assisted from disabled boats.....	276
Bodies recovered	17
Animals saved	4
Pieces of wreckage, sufficiently large to damage a boat taken out of harbor.....	194
Fire extinguished	1

LOG REPORTS.

NEW YORK CITY

HEADQUARTERS DIVISION.

FIRST AID

MUNICIPAL BUILDING HEADQUARTERS

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Jan.	4. Commodore Chas. E. Raynor..	Municipal Building.....	Florence Dittman
	Commodore Chas. E. Raynor..	Municipal Building.....	Engineer
	6. Commodore Chas. E. Raynor..	Municipal Building.....	Casino Restel
	8. Commodore Chas. E. Raynor..	Municipal Building.....	Miss Marshall
	Miss Ida Osborne.....	Municipal Building.....	Miss Marshall
	Commodore Chas. E. Raynor..	Municipal Building.....	Canestactine
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss McKensie
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss Marshall
	11. Commodore Chas. E. Raynor..	Municipal Building.....	Miss Marshall
	14. Commodore Chas. E. Raynor..	Municipal Building.....	Laura M. Couble
	15. Commodore Chas. E. Raynor..	Municipal Building.....	Miss L. Lantry
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss Marshall
	20. Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Granfield
	22. Commodore Chas. E. Raynor..	Municipal Building.....	Lillian Ebbie
	23. Miss Ida Osborne.....	Municipal Building.....	Miss Robinson
	24. Miss Ida Osborne.....	Municipal Building.....	Alfred Charbonnear
	Commodore Chas. E. Raynor		
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss Elia. Euin
	Miss Ida Osborne.....	Municipal Building.....	Unknown man
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss Quin
	Commodore Chas. E. Raynor..	Municipal Building.....	Gussie C. Ralner
	29. Commodore Chas. E. Raynor..	Municipal Building.....	Pat. Sheehan
Feb.	3. Commodore Chas. E. Raynor..	Municipal Building.....	M. E. Brody
	6. Miss Ida Osborne.....	Municipal Building.....	Miss Reynolds
	Commodore Chas. E. Raynor..	Municipal Building.....	Elevator runner
	7. Commodore Chas. E. Raynor..	Municipal Building.....	Mary Thomas
	10. Commodore Chas. E. Raynor..	Municipal Building.....	Elevator runner
	13. Commodore Chas. E. Raynor..	Municipal Building.....	Alfred Charbonnear
Mar.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Martin
	18. Commodore Chas. E. Raynor..	Municipal Building.....	Louis Schwirarsky
	Commodore Chas. E. Raynor..	Municipal Building.....	Felix Rappold
	19. Commodore Chas. E. Raynor..	Municipal Building.....	Miss Muts
	21. Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Molloy
	25. Commodore Chas. E. Raynor..	Municipal Building.....	Miss Backer
	Commodore Chas. E. Raynor..	Municipal Building.....	W. McNailey
	Miss S. Eisenberg.....	Municipal Building.....	Unknown
	Miss S. Eisenberg.....	Municipal Building.....	Unknown
	Miss S. Eisenberg.....	Municipal Building.....	Unknown
	Miss S. Eisenberg.....	Municipal Building.....	Unknown
	Miss S. Eisenberg.....	Municipal Building.....	Mr. Solovei
	Miss S. Eisenberg.....	Municipal Building.....	Mr. Stern
	Commodore Chas. E. Raynor..	Municipal Building.....	James Kenny

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1919 271

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Mar.	4. Miss Ida Osborne	Municipal Building	Joseph Gallagher
	8. Commodore Chas. E. Raynor ..	Municipal Building	Girl
	Commodore Chas. E. Raynor ..	Municipal Building	Nathan Suskin
	Commodore Chas. E. Raynor ..	Municipal Building	M. L. Gibson
26.	Commodore Chas. E. Raynor ..	Municipal Building	Miss Sheehan
	31. Commodore Chas. E. Raynor ..	Municipal Building	J. L. Lowton
April	5. Commodore Chas. E. Raynor ..	Municipal Building	Morris Godstein
	9. Commodore Chas. E. Raynor ..	Municipal Building	Morris Eckert
	11. Miss Ida Osborn	Municipal Building	H. Blume
	14. Miss Ida Osborne	Municipal Building	Miss Maher
15.	Miss Ida Osborne	Municipal Building	Miss Kimberly
	29. Miss Ida Osborne	Municipal Building	Victor Froshella
	30. Commodore Chas. E. Raynor ..	Municipal Building	Ellis. B. Collins
May	1. Miss Eleanor Dale	Municipal Building	Miss J. Koth
	5. Commodore Chas. E. Raynor ..	Municipal Building	Helen McShane
	Commodore Chas. E. Raynor ..	Municipal Building	Martin Constantine
	14. Commodore Chas. E. Raynor ..	Municipal Building	M. McDermott
19.	Commodore Chas. E. Raynor ..	Municipal Building	Donato Groucena
	Commodore Chas. E. Raynor ..	Municipal Building	Chas. Canonic
	22. Commodore Chas. E. Raynor ..	Municipal Building	Miss Laura E. Kross
	24. Commodore Chas. E. Raynor ..	Municipal Building	Harris
27.	Miss Ida Osborne	Municipal Building	Mr. Devy
	30. Miss Eisenberg	Municipal Building	W. Rothfuss
	Miss Eisenberg	Municipal Building	H. Silverman
June	1. Miss Eisenberg	Municipal Building	Mrs. J. R. Shaw
	Miss Eisenberg	Municipal Building	Unknown
	15. Miss Eisenberg	Municipal Building	Unknown
	Miss Eisenberg	Municipal Building	Unknown
5.	Commodore Chas. E. Raynor ..	Municipal Building	James Murphy
	6. Commodore Chas. E. Raynor ..	Municipal Building	Chas. Klos
	Commodore Chas. E. Raynor ..	Municipal Building	Jane Nagleson
	Miss Ida Osborne ..	Municipal Building ..	
11.	Mrs. Eleanor Dale	Municipal Building	Miss Goldman
	17. Mrs. Eleanor Dale	Municipal Building	H. Blum
	Commodore Chas. E. Raynor ..	Municipal Building	Martha Gubert
	24. Commodore Chas. E. Raynor ..	Municipal Building	Mr. Weynl
Miss Ida Osborn ..	Municipal Building	Army officer	
	Commodore Chas. E. Raynor ..	Municipal Building	Miss M. McKenna
	Commodore Chas. E. Raynor ..	Municipal Building	John B. Walba
	Commodore Chas. E. Raynor ..	Municipal Building	A. T. Reynolds
25.	Miss Ida Osborne	Municipal Building	John McHugh
	27. Commodore Chas. E. Raynor ..	Municipal Building	Mary Brown
July	10. Commodore Chas. E. Raynor ..	Municipal Building	Margaret Rafferty
	Miss Ida Osborne		
	11. Commodore Chas. E. Raynor ..	Municipal Building	Unknown
	28. Miss Ida Osborne	Municipal Building	Unknown woman
Aug.	6. Commodore Chas. E. Raynor ..	Municipal Building	Mr. Canaitine
	11. Commodore Chas. E. Raynor ..	Municipal Building	J. H. Klein
	30. Commodore Chas. E. Raynor ..	Municipal Building	Anna R. O'Toole
Sept.	2. Commodore Chas. E. Raynor ..	Municipal Building	Mary C. Finn
	Commodore Chas. E. Raynor ..	Municipal Building	Anna I. Connors
	3. Commodore Chas. E. Raynor ..	Municipal Building	Mrs. Laura C. Cogswell
	12. Commodore Chas. E. Raynor ..	Municipal Building	Pat. McLaughlin
15.	Commodore Chas. E. Raynor ..	Municipal Building	Annie Mets
	Commodore Chas. E. Raynor ..	Municipal Building	Unknown woman
	16. Commodore Chas. E. Raynor ..	Municipal Building	Mr. Vass
	Commodore Chas. E. Raynor ..	Municipal Building	Victor McVay
19.	Miss Ida Osborne	Municipal Building	Mr. Cavanaugh
	Commodore Chas. E. Raynor ..	Municipal Building	Mrs. Geo. G. Nisbet

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Sept. 26.	Commodore Chas. E. Raynor..	Municipal Building.....	Margaret Bannon
27.	Commodore Chas. E. Raynor..	Municipal Building.....	McCormack
28.	Commodore Chas. E. Raynor..	Municipal Building.....	M. Seyfried
Oct. 10.	Commodore Chas. E. Raynor..	Municipal Building.....	Morris Curtis
	Commodore Chas. E. Raynor..	Municipal Building.....	L. V. Reynolds
	Miss Ida Osborne.....	Municipal Building.....	Mr. Jackson
18.	Commodore Chas. E. Raynor..	Municipal Building.....	E. C. Brewer
21.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Jacobs
24.	Commodore Chas. E. Raynor..	Municipal Building.....	G. C. Harte
25.	Commodore Chas. E. Raynor..	Municipal Building.....	Mae Ryan
27.	Ida Osborne.....	Municipal Building.....	Unknown
28.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Galliger
29.	Commodore Chas. E. Raynor..	Municipal Building.....	Wm. Cosgrove
	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. McCormack
	Commodore Chas. E. Raynor..	Municipal Building.....	Miss Croquest
Nov. 11.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Dundrear
	Commodore Chas. E. Raynor..	Municipal Building.....	Marion Smith
13.	Commodore Chas. E. Raynor..	Municipal Building.....	O. Boerks
14.	Commodore Chas. E. Raynor..	Municipal Building.....	Francis Gordon
	Helen C. Case.....		
17.	Commodore Chas. E. Raynor..	Municipal Building.....	John Delegro
	Commodore Chas. E. Raynor..	Municipal Building.....	L. Eenberg
20.	Commodore Chas. E. Raynor..	Municipal Building.....	Edward Doyle
Nov. 21.	Commodore Chas. E. Raynor..	Municipal Building.....	Foreman janitor
22.	Miss Ida Osborne.....	Municipal Building.....	Miss Kayser
24.	Commodore Chas. E. Raynor	Municipal Building.....	Young lady
	Miss McKensie.....		
	Commodore Chas. E. Raynor..	Municipal Building.....	B. Bainsky
	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Dewill
28.	Commodore Chas. E. Raynor	Municipal Building.....	Miss Weinstein
	Ida Osborne.....		
Dec. 1.	Commodore Chas. E. Raynor..	Municipal Building.....	Ed. Reilly
1.	Miss Ida Osborne.....	Municipal Building.....	Miss M. H. Bennett
6.	Commodore Chas. E. Raynor..	Municipal Building.....	Mary M. Dechert
10.	Miss Ida Osborne.....	Municipal Building.....	Miss Simon
10.	Commodore Chas. E. Raynor..	Municipal Building.....	Wm. Herscherowits
10.	Commodore Chas. E. Raynor..	Municipal Building.....	Herman Knopp
10.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Ferguson
12.	Commodore Chas. E. Raynor..	Municipal Building.....	Alfred Chardenneau
12.	Commodore Chas. E. Raynor..	Municipal Building.....	Unknown
17.	Commodore Chas. E. Raynor..	Municipal Building.....	Archie Mantesi
17.	Commodore Chas. E. Raynor..	Municipal Building.....	Martin Constantino
17.	Commodore Chas. E. Raynor..	Municipal Building.....	George Jackson
17.	Miss Ida Osborne.....	Municipal Building.....	Miss Crowley
17.	Commodore Chas. E. Raynor..	Municipal Building.....	Regina Murphy
19.	Commodore Chas. E. Raynor..	Municipal Building.....	C. Douglass
23.	Commodore Chas. E. Raynor..	Municipal Building.....	Mr. Konopp
26.	Commodore Chas. E. Raynor..	Municipal Building.....	Unknown man
27.	Commodore Chas. E. Raynor..	Municipal Building.....	Unknown woman
29.	Commodore Chas. E. Raynor..	Municipal Building.....	Unknown man
	Commodore Chas. E. Raynor..	Municipal Building.....	Vincent Rugguro
Jan. 1.	Miss Elisabeth Glassford.....	Municipal Building.....	Unknown
	Miss Elisabeth Glassford.....	Municipal Building.....	Elisabeth Jones
	Miss Elisabeth Glassford.....	Municipal Building.....	Unknown
7.	Miss Lillian E. Raynor.....	Municipal Building.....	Max Savitaky
16.	Miss Lillian E. Raynor.....	Municipal Building.....	Hettie Milner
17.	Miss Lillian E. Raynor.....	Municipal Building.....	Sam Lazar
20.	Miss Elisabeth Glassford.....	Municipal Building.....	Unknown
30.	Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
31.	Miss Lillian E. Raynor.....	Municipal Building.....	Unknown

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Feb.	18. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	19. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	19. Miss Elisabeth Glassford.....	Municipal Building.....	Minnie Erickson
Mar.	4. Miss Elisabeth Glassford.....	Municipal Building.....	Smith
	8. Miss Elisabeth Glassford.....	Municipal Building.....	Viola Bellikka
	15. Commodore L. Rauschkolb....	129 Lafayette Street.....	Rose Cardelli
	19. Miss Lillian E. Raynor.....	Municipal Building.....	Louis Sternfeld
	20. Miss Elisabeth Glassford.....	Municipal Building.....	Mrs. Klein
	20. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
April	30. Miss Elisabeth Glassford.....	Municipal Building.....	B. Porocaky
	31. Commodore L. Rauschkolb....	129 Lafayette Street.....	Conrad Ruhl
	7. Commodore L. Rauschkolb....	129 Lafayette Street.....	James Lits
	8. Commodore L. Rauschkolb....	129 Lafayette Street.....	Dorothy Peterson
	11. Miss Lillian E. Raynor.....	Municipal Building.....	Berman
	14. Commodore L. Rauschkolb....	129 Lafayette Street.....	John Hood
May	1. Miss Lillian E. Raynor.....	Municipal Building.....	Saba Crown
	2. Miss Lillian E. Raynor.....	Municipal Building.....	Hermer
	5. Miss Lillian E. Raynor.....	Municipal Building.....	Lillie Sandman
	15. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	15. Miss Lillian E. Raynor.....	Municipal Building.....	J. Bender
	15. Commodore L. Rauschkolb....	129 Lafayette Street.....	Jacob Israel
June	21. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	21. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	11. Commodore L. Rauschkolb....	129 Lafayette Street.....	Chas. H. Miller
	17. Commodore C. E. Raynor.....	Municipal Building.....	Rudolph F. Wagner
	24. Miss Lillian E. Raynor.....	Municipal Building.....	Julius Klein
	25. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
July	26. Miss Lillian E. Raynor.....	Municipal Building.....	Unknown
	28. Commodore L. Rauschkolb....	129 Lafayette Street.....	Frank Mason
	24. Commodore L. Rauschkolb....	129 Lafayette Street.....	Chas. Wolf
	29. Commodore L. Rauschkolb....	129 Lafayette Street.....	John Todd
	30. Miss Lillian E. Raynor.....	Municipal Building.....	Nelson
	2. Surg. Mate A. F. Brand.....	Camp Matinecock.....	John McGeeny
	3. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Albert Doig
	4. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Russell Miller
	5. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Leslie Sandhalser
	5. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Theo. Liebbers
	6. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Fred Zink
	7. Captain Arthur H. Wehle.....	Camp Matinecock.....	Fred Zink
	7. Captain Arthur H. Wehle.....	Camp Matinecock.....	F. C. Rowd
	7. Captain Arthur H. Wehle.....	Camp Matinecock.....	C. Welchman
	7. Captain Arthur H. Wehle.....	Camp Matinecock.....	Alfred Gumbrecht
	7. Surg. Mate A. F. Brand.....	Camp Matinecock.....	W. O'Malley
	8. Surg. Mate A. F. Brand.....	Camp Matinecock.....	M. Haverstein
	8. Captain Arthur H. Wehle.....	Camp Matinecock.....	H. Menkel
	8. Captain Arthur H. Wehle.....	Camp Matinecock.....	L. Dowest
	8. Captain Arthur H. Wehle.....	Camp Matinecock.....	W. O'Malley
	8. Captain Arthur H. Wehle.....	Camp Matinecock.....	Ray Williams
	9. Captain Arthur H. Wehle.....	Camp Matinecock.....	W. Welch
	9. Captain Arthur H. Wehle.....	Camp Matinecock.....	Maynos Nelson
	9. Captain Arthur H. Wehle.....	Camp Matinecock.....	Jerry Fiegler
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	John Linkfield
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Albert Doig
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Leslie Sandhalser
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Walter Welch
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Gilbert Sandholser
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Jerry Fiegler
	10. Captain Arthur H. Wehle.....	Camp Matinecock.....	Aribit Bombe
	11. Surg. Mate A. F. Brand.....	Camp Matinecock.....	K. Hayden
	11. Captain Arthur H. Wehle.....	Camp Matinecock.....	Martin Bassitt

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	11. Captain Arthur H. Wehle.....	Camp Matinecock.....	Fred Dean
	12. Captain Arthur H. Wehle.....	Camp Matinecock.....	S. Snell
	12. Captain Arthur H. Wehle.....	Camp Matinecock.....	Martin Bassitt
	13. Surg. Mate A. F. Brand.....	Camp Matinecock.....	John Pollock
	14. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Martin Bassitt
	15. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Theo. Liebbers
	15. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Douglas Parker
	15. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Gilbert Sandholser
	15. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William Kienash
	16. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Theo. Tiersch
July	16. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Theo. Dean
	18. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Archie Pleasanton
	18. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Frank Smith
	18. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Ray Williams
	19. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Simon Newman
	20. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Otto Berets
	20. Surg. Mate A. F. Brand.....	Camp Matinecock.....	P. Pollock
	20. Surg. Mate A. F. Brand.....	Camp Matinecock.....	F. Lapeire
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	John Mitchell
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William Gulich
	23. Surg. Mate A. F. Brand.....	Camp Matinecock.....	F. Ermy
	24. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William D. Mitchell
	25. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Wm. McMurray
	25. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Stewart Fletcher
	25. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Leslie Sandholser
	25. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Chas. Davis
	27. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Irving Ruben
	28. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Loring Doust
	31. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Charles Weiss
Aug.	1. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William Proud
	2. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Stewart Fletcher
	2. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Chas. Jeckel
	3. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Wm. Weisheimer
	3. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Albert Thorn
	5. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Stuart Zusing
	5. Surg. Mate A. F. Brand.....	Camp Matinecock.....	John Standish
	9. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Alfred Mueller
	11. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William Heimar
	11. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Homer Harris
	12. Surg. Mate A. F. Brand.....	Camp Matinecock.....	William Miller
	13. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Fred Kroft
	13. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Herman Harris
	13. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Stewart Fletcher
Aug.	14. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Henry Bawen
	14. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Fred Zink
	14. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Jack Mitchell
	17. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Carl Fernstron
	18. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Enoch Johnson
	19. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Ernest Wagar
	19. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Otto Baler
	19. Surg. Mate A. F. Brand.....	Camp Matinecock.....	George Latham
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Walter Schwagerl
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Arabit Bornabe
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Mount Robb
Jan.	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	Wm. Hotine
	22. Surg. Mate A. F. Brand.....	Camp Matinecock.....	John Sewia
	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	W. Corbin
	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	W. Kenny
	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	John Deturn
	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	J. D. Dohm

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Feb.	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Jim Wood
	4. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	W. Corbin
Mar.	6. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	W. Kenny
April	12. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Jas. Wood
	25. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	John Donohue, Jr.
May	1. Captain J. H. Dwyer.....	Pier 36, Brooklyn.....	Walter Kenny
July	5. Commodore C. E. Raynor.....	Pleasant Point.....	Margaret Ozing
	5. Commodore C. E. Raynor.....	Old Mill.....	Anna Ozing
Aug.	24. Commodore C. E. Raynor.....	Old Mill.....	J. Perkins
Sept.	1. Commodore C. E. Raynor.....	Pleasant Point.....	Mrs. Burling
	1. Commodore C. E. Raynor.....	Pleasant Point.....	H. Perkins
Jan.	13. Dr. A. J. Primrose.....	P. S. 19, Brooklyn.....	Samuel Dubman
May	15. Miss Mildred M. Bosman.....	P. S. Dist. 37, Brooklyn.....	Walter Neville
July	15. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	H. Edgar
	20. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	T. Sutter
	25. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	A. Schewyer
	25. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	H. Deoang
	25. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	Unknown
	30. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	B. Peacock
	31. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	J. Steen
	31. Jr. Lieut. L. A. Sutton.....	Camp Glenwood.....	J. Doyle
Jan.	6. Commodore H. Stiglin.....	Municipal Ferry.....	Charles Smith
	24. Commodore H. Stiglin.....	Municipal Ferry.....	R. Browning

BOROUGH OF MANHATTAN

June	1. Surfman Morris Bloomfield.....	Harlem.....	Harry Neuman
	2. Coxswain A. Binne.....	Harlem.....	Harry Beckowits
	4. Surg. Mate E. J. O'Connor.....	Harlem.....	Jake Beinstein
	Surg. Mate E. J. O'Connor.....	Harlem.....	A. Binne
	8. Lieutenant A. Gans.....	Harlem.....	Harry Cohen
	9. Surg. Mate E. J. O'Connor.....	Harlem.....	John Sullivan
	Surfman A. Bloomfield.....	Harlem.....	Mike Fassio
	Surfman E. J. O'Connor.....	Harlem.....	Carl Genthem
	Lieutenant A. Gans.....	Harlem.....	Mae Sullivan
	24. Surg. Mate E. J. O'Connor.....	Harlem.....	Nick Conway
	25. Coxswain Nick Conway.....	Harlem.....	Samuel Rosner
	Surg. Mate E. J. O'Connor.....	Harlem.....	Mike O'Connell
	26. Coxswain Mike McGlous.....	Harlem.....	Abe Bloomfield
	28. Surfman Fred Borges.....	Harlem.....	Michael McCarthy
	Coxswain Mick Conway.....	Harlem.....	Max Liebman
	29. Surg. Mate E. J. O'Connor.....	Harlem.....	Chas. Dettman
July	1. Surg. Mate E. J. O'Connor.....	Harlem.....	E. J. O'Connor
	Captain Jas. Glernon.....	Harlem.....	A. Silverman
	Surg. Mate E. J. O'Connor.....	Harlem.....	Morris Bloomfield
	2. Surfman Abe Bloomfield.....	Harlem.....	Abe Bloomfield
	Surg. Mate E. J. O'Connor.....	Harlem.....	E. J. O'Connor
	Surg. Mate E. J. O'Connor.....	Harlem.....	Irving Turner
	4. Surg. Mate E. J. O'Connor.....	Harlem.....	C. Dunn
	Surfman Fred Borges.....	Harlem.....	Max Teiger
	Surfman Morris Bloomfield.....	Harlem.....	Max Bernier
	Surfman Fred Borges.....	Harlem.....	E. O'Connor
	Surg. Mate E. J. O'Connor.....	Harlem.....	Myer Brown
	Coxswain M. F. McGlous.....	Harlem.....	Joseph Chesich
	5. Surg. Mate E. J. O'Connor.....	Harlem.....	John Scully
	10. Surfman Abe Bloomfield.....	Harlem.....	Abe Bloomfield
	11. Surg. Mate E. J. O'Connor.....	Harlem.....	Harry Moskowitz
	12. Lieutenant A. Gans.....	Harlem.....	James Dyer
	Boatswain Fred Hasselback.....	Harlem.....	Harry Rosenberg
	13. Coxswain M. McGlous.....	Harlem.....	Chas. Etcoll

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	14. Surfman Jack Bloomfield.....	Harlem.....	Max Bremer
	Surfman Jack Bloomfield.....	Harlem.....	Michael McGleim
	15. Captain Jas. Glennon.....	Harlem.....	John Kuvaki
	Lieutenant R. Conway.....	Harlem.....	Chas. Mason
	16. Coxswain M. McGloin.....	Harlem.....	Tony Rizzo
	Coxswain Wm. Woods.....	Harlem.....	Martin Grenberg
	19. Surfman A. Bloomfield.....	Harlem.....	Fred Taddn
	21. Surg. Mate E. J. O'Connor.....	Harlem.....	Jake Liebman
	23. Surfman Alex Marnechi.....	Harlem.....	Alex Marnechi
	Surfman Abe Bloomfield.....	Harlem.....	Abe Bloomfield
Aug.	25. Coxswain A. Birnie.....	Harlem.....	Jos. Short
	3. Captain Jas. Glennon.....	Harlem.....	Sam Gordon
	12. Boatswain Fred Hasselback.....	Harlem.....	Dan Sullivan
	Coxswain Wm. Woods.....	Harlem.....	Geo. Sykes
	Captain James Glennon.....	Harlem.....	Harry Feinstein
	18. Surfman Mick Conway.....	Harlem.....	John Walsh
	Surfman Mick Conway.....	Harlem.....	Phil Scully
	20. Surfman Jack Bloomfield.....	Harlem.....	Max Liebman
	24. Boatswain F. Hasselback.....	Harlem.....	Sam Sullivan
	Surfman A. Bloomfield.....	Harlem.....	Sam Cglits
May	5. Sr. Lieut. Peter McDonald.....	Redwing Boat Club.....	Paul Silagi
	Coxswain A. Schwable.....	Redwing Boat Club.....	Joseph Curley
June	2. Surfman Rob. Casanelli.....	Redwing Boat Club.....	John Herry
	8. Captain John J. Murray.....	Redwing Boat Club.....	Frank McGinty
	24. Sr. Lieut. Peter McDonald.....	Redwing Boat Club.....	John Connelly
	24. Coxswain Arthur Schwable.....	Redwing Boat Club.....	Henry Kahn
	28. Surfman Wolleson.....	Redwing Boat Club.....	B. Crush
	30. Sr. Lieut. Peter McDonald.....	Redwing Boat Club.....	Han Stickle
July	3. Surfman A. Ruppert.....	Redwing Boat Club.....	William Doran
	Surfman M. F. Finn.....	Redwing Boat Club.....	William Kelly
	Surfman M. F. Finn.....	Redwing Boat Club.....	William Kelly
	7. Sr. Lieut. McDonald.....	Redwing Boat Club.....	John Fudely
	18. Surfman B. McDonald.....	Redwing Boat Club.....	C. Antonicci
	Surfman B. McDonald.....	Redwing Boat Club.....	Herman Lang
	Surfman B. McDonald.....	Redwing Boat Club.....	Anna Smith
	19. Surfman B. McDonald.....	Redwing Boat Club.....	Frank Draghe
	24. Sr. Lieut. P. McDonald.....	Redwing Boat Club.....	Ed. Roben
	F. Morganroth.....	Redwing Boat Club.....	Sam Magio
	16. Surfman B. McDonald.....	Redwing Boat Club.....	Joseph Mireo
	28. Surfman A. Schwable.....	Redwing Boat Club.....	Joseph Schaeffer
	29. Captain John Murray.....	Redwing Boat Club.....	John Hynes
	31. Surfman Jos. Notch.....	Redwing Boat Club.....	James Brady
	Surfman M. Murray.....	Redwing Boat Club.....	Dominick Benagini
Aug.	1. Surfman Joseph Notch.....	Redwing Boat Club.....	Fred Gloeckner
	Surfman Joseph Notch.....	Redwing Boat Club.....	Harold Esig
	2. Sr. Lieut. P. McDonald.....	Redwing Boat Club.....	James Riley
	12. Surfman Arthur Schaffer.....	Redwing Boat Club.....	Chris. Weldon
Sept.	28. Sr. Lieut. P. McDonald.....	Redwing Boat Club.....	Harry Bloomfield
	8. Jr. Lieut. Arthur Schnable.....	Redwing Boat Club.....	Arthur Morgan
Oct.	5. Captain John Murray.....	Redwing Boat Club.....	John Smyth
	10. Captain John Murray.....	Redwing Boat Club.....	James Nolan
Nov.	19. Surfman Ed. Grassison.....	Redwing Boat Club.....	John Linley
	1. Captain John Murray.....	Redwing Boat Club.....	William Kramer
	15. Captain John Murray.....	Redwing Boat Club.....	Louis Herm
Dec.	30. Captain John Murray.....	Redwing Boat Club.....	Harry Helm
	1. Captain John Murray.....	Redwing Boat Club.....	John Ryan
Feb.	22. Boatswain M. Oswald.....	Allen Point Boat Club.....	Michael Monahan
May	31. James McCarthy.....	Allen Point Boat Club.....	Jack O'Connor
	Al. Clifton.....	Allen Point Boat Club.....	A. Clifton
June	12. Boatswain M. Oswald.....	Allen Point Boat Club.....	Jack O'Connor

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	23. William Kelly.....	Allen Point Boat Club.....	William Kelly
July	3. Crew Ruppert.....	Allen Point Boat Club.....	William Kelly
	Crew Ruppert.....	Allen Point Boat Club.....	Henry Arittmabter
	27. Crew Schmidt.....	Allen Point Boat Club.....	Savadore
Aug.	4. Crew.....	Albany Point Boat Club.....	Henry Strittmatter
Sept.	8. Jr. Lieut. Schnable.....	Redwing Boat Club.....	Tim McDermott
	Jr. Lieut. Schnable.....	Redwing Boat Club.....	James Cronin
Dec.	18. Coxswain H. Sinclair.....	Foot 50th St., E. R.....	Geo. Brown
	25. Sr. Lieut. P. McDonald.....	49th St., E. R.....	John Moyer
	28. Captain John J. Murray.....	51st St., E. R.....	Phil. Myers
	31. Captain John J. Murray.....	51st St., E. R.....	Thomas Callahan
Mar.	25. Surg. Mate Higgins.....	58th Street, East River.....	A. Kral
	Boatswain Zeiber.....		
May	30. Surfman Paul Maguire.....	58th Street, East River.....	Guido Tibaldi
June	2. Surfman Thomas Cusack.....	58th Street, East River.....	Joseph Goldman
	3. Surfman D. Enderly.....	58th Street, East River.....	Thomas Parsons
	4. Surfman Alex Lockhard.....	58th Street, East River.....	Jack Franciovich
	11. J. Maguire.....	58th Street, East River.....	Ed. Eckhard
	15. Jr. Lieut. Charles Mahanken... Surfman Vincent Maguire.....	58th Street, East River..... 58th Street, East River.....	John Quinn John Erhardt
	16. Surfman J. Kral.....	58th Street, East River.....	Daniel Hall
	22. Surfman Thomas Cusack.....	58th Street, East River.....	John Towner
	27. Surfman Thomas Cusack.....	58th Street, East River.....	Ed. Hoyle
	30. J. Maguire.....	58th Street, East River.....	John Finn
July	5. Boatswain Wm. Zeicher.....	58th Street, East River.....	Thomas Cusack
	7. Boatswain Wm. Zeicher.....	58th Street, East River.....	L. Van Drelli
	7. Surfman Maguire..... Surfman Cusack.....	58th Street, East River.....	John Meyers
	8. Surfman D. Enderly.....	58th Street, East River.....	Hugh Daly
	12. Surfman Vincent Maguire.....	58th Street, East River.....	John Femethy
	25. Surfman J. Kral.....	58th Street, East River.....	Harry Beach
	26. Surfman J. Kral.....	58th Street, East River.....	William Valentos
	27. Captain Peter Nelson..... Surfman Hall.....	58th Street, East River.....	George Flanagan
	28. Surfman Newriter.....	58th Street, East River.....	Edward Baler
	30. Surfman Vincent Maguire..... Surfman Vincent Maguire..... Surfman J. Kral.....	58th Street, East River..... 58th Street, East River..... 58th Street, East River.....	John Bohnel H. Hettinger Ignatius Stella
	31. Surfman J. Nelson.....	58th Street, East River.....	Thomas Rider
Aug.	3. Surg. Mate T. Higgins.....	58th Street, East River.....	J. Reilly
	7. Surfman J. Nelson.....	58th Street, East River.....	Harry Erhard
	Surfman J. Nelson.....	58th Street, East River.....	Ferdinand Uhl
	8. Surfman J. Nelson.....	58th Street, East River.....	Frank Koehlik
	9. Surfman J. Nelson.....	58th Street, East River.....	James Flanagan
	10. Jr. Lieut. Charles Mahanken... 31. Surfman V. Maguire.....	58th Street, East River..... 58th Street, East River.....	V. Maguire Joseph Okorny
	Captain Corcoran.....	Riverside.....	W. W. Jones
May	3. Surfman J. Lynsky..... Captain Corcoran.....	Riverside..... Riverside.....	John Reinbart Arthur McFarland
	4. Surfman M. Anott.....	Riverside.....	James Kaplan
	5. Boatswain P. Wilbur.....	Riverside.....	William J. Burns
	6. Surfman J. Lynsky..... Boatswain P. Wilbur.....	Riverside..... Riverside.....	Frank Parker Joseph Milbanks
	7. Surfman M. Anott.....	Riverside.....	Louis Friedman
	9. Boatswain P. Wilbur.....	Riverside.....	Morris Goleiberg
	9. Surfman Thomas Hennely.....	Riverside.....	John McCord
	20. Surfman J. A. Weiss.....	Riverside.....	William Dunn
	22. Surfman Joe Lynsky.....	Riverside.....	William Fitzgerald
	29. Surfman M. Anott.....	Riverside.....	Wm. Casey
June	4. Surfman B. Maas.....	Riverside.....	Nathan Cohn

Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	7. Captain Corcoran.....	Riverside.....	James C. Crow
	9. Surfman Lew Colton.....	Riverside.....	John Cummings
	12. Captain Corcoran.....	Riverside.....	Frank O'Brien
	16. Surfman M. Anott.....	Riverside.....	James J. Terrolo
	18. Surfman I. A. Weis.....	Riverside.....	Thomas E. Everett
	19. Boatswain P. Wilbur.....	Riverside.....	William Papke
	20. Surfman Gardini.....	Riverside.....	William McNulley
	25. Surfman L. Colton.....	Riverside.....	Richard Kirby
	28. Surfman J. A. Weis.....	Riverside.....	John Quinn
	M. Arroll.....		
July	30. Captain Corcoran.....	Riverside.....	Frank Severice
	Surfman E. Hennelly.....		
	3. Surfman J. A. Weis.....	Riverside.....	William Cumings
	8. Surfman L. Colton.....	Riverside.....	William Mornisay
	10. Captain William Corcoran.....	Riverside.....	Joseph Mantello
	12. Surfman Garchini.....	Riverside.....	James Keats
	13. Surfman Maas.....	Riverside.....	Arthur Fitzgerald
	14. Surfman F. Reidel.....	Riverside.....	John Coyle
	20. Surfman Gardini.....	Riverside.....	Jack Paul
	23. Surfman L. Colton.....	Riverside.....	James Drew
	27. Surfman P. Healy.....	Riverside.....	Philip Snyder
	29. Surfman L. Colton.....	Riverside.....	Joseph Carter
Aug.	2. Boatswain P. Wilbur.....	Riverside.....	Frank Giano
	2. Captain William Corcoran.....	Riverside.....	Frank E. Wood
	3. Surfman Gardini.....	Riverside.....	William McCall
	4. Surfman M. Anott.....	Riverside.....	Enoll Osborne
	Captain Corcoran.....	Riverside.....	William C. Demmas
April	Boatswain P. Wilbur.....	Riverside.....	Lewis Cardel
	Surfman J. A. Weis.....	Riverside.....	Harry Clark
	4. Surfman M. Anott.....	Riverside.....	William Lamb
	Captain Corcoran.....		
Aug.	9. Surfman George Flood.....	Riverside.....	William Colter
	10. Surfman M. Anott.....	Riverside.....	Frank McCarthy
	11. Surfman M. Anott.....	Riverside.....	James Walsh
	13. Surfman F. Reidel.....	Riverside.....	William Morrow
	16. Surfman P. Healy.....	Riverside.....	George Shooter
	Surfman J. A. Weis.....	Riverside.....	John Gleason
June	28. Commodore J. Sims.....	Riverdale.....	John Smith
	Commodore J. Sims.....	Riverdale.....	A. Bauer
July	4. Commodore J. Sims.....	Riverdale.....	Mary Smith
	Commodore J. Sims.....	Riverdale.....	William Eekhr
	Commodore J. Sims.....	Riverdale.....	William Boyd
	Commodore J. Sims.....	Riverdale.....	James Hannigan
	Commodore J. Sims.....	Riverdale.....	Charles Schwartz
	Commodore J. Sims.....	Riverdale.....	John Voss
	Commodore J. Sims.....	Riverdale.....	J. A. Carse
	5. Commodore J. Sims.....	Riverdale.....	Clarence Rogers
	6. Commodore J. Sims.....	Riverdale.....	J. Morgan
	12. Commodore J. Sims.....	Riverdale.....	John Williams
	Commodore J. Sims.....	Riverdale.....	William Barnes
	20. Commodore J. Sims.....	Riverdale.....	W. Boyce
Aug.	Commodore J. Sims.....	Riverdale.....	J. Sims
	2. Commodore J. Sims.....	Riverdale.....	M. Simpson
	3. Commodore J. Sims.....	Riverdale.....	A. Lott

RESCUES

Date 1919	Members making rescue	Place where	Person rescued
July	4. Surfman A. Bloomfield.....	Harlem.....	David Barsley
	Boatswain Fred Hasselback.....	Harlem.....	Ella Keller

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Date 1919	Members making rescue	Place where	Persons assisted
Aug.	3. Boatswain Fred Hasselback.....	Harlem.....	Ceelia Warehouser
	Boatswain Fred Hasselback.....	Harlem.....	Harry McCarty
	Boatswain Fred Hasselback.....	Harlem.....	Ella Kellen
	5. Coxswain M. McGlain.....	Harlem.....	Harry Best
	Surfman Nick Conway.....	Harlem.....	Harry Best
	7. Surfman Abe Bloomfield.....	Harlem.....	Hyman Wolf
Aug.	9. Surfman Abe Bloomfield.....	Harlem.....	David Klein
	Joseph Conner.....	Harlem.....	Andrew Hasel
July	7. Sr. Lieut. P. McDonald.....	Redwing Boat Club.....	Thomas Mulganon
Aug.	8. Surfman H. Wolleren.....	Redwing Boat Club.....	Anthony Gulotta
	12. Surfman A. Schaffer.....	Redwing Boat Club.....	Arthur Eagan
	20. Surfman H. Sinclair.....	Redwing Boat Club.....	Abe Weissman
	27. Surfman Michael Murray.....	Redwing Boat Club.....	George Barry
Sept.	13. Surfman Schaffer.....	Redwing Boat Club.....	Thomas Shea
Oct.	13. Sr. Lieut. P. McDonald.....	Redwing Boat Club.....	Rudolf Olsen
Sept.	13. Surfman Schaefer.....	51st Street, East River.....	Thomas Shea
Oct.	13. Sr. Lieut. P. McDonald.....	51st Street, East River.....	Rudolf Olsen
May	2. Jr. Lieut. H. B. Shuls.....	Cygnat Boat Club.....	Two boys
	13. Surfman Aubrey Drummond.....	Cygnat Boat Club.....	Joseph Smith
Aug.	20. Surfman Henry Martin.....	Cygnat Boat Club.....	John Barrett
	Surfman Henry Martin.....	Cygnat Boat Club.....	Charles Blankenhorn
	Surfman Henry Martin.....	Cygnat Boat Club.....	Edward Hellungton
Oct.	10. Sr. Lieut. Peter McDonald.....	Cygnat Boat Club.....	Rudolf Olsen
Nov.	4. Dr. Booseo.....	Cygnat Boat Club.....	J. E. Mikulas
June	1. Crew McCarthy.....	Allen Point.....	Mr. Fitzpatrick
	Kelly.....		
	25. Boatswain W. Kelly.....	Allen Point.....	Gus Wiley
Aug.	9. Crew Kelly.....	Allen Point.....	William Shuck
	McCarthy.....		
May	18. Captain William Corcoran.....	Riverside.....	P. Coonan, F. Turner, W. Rudolph, C. Schreiber and H. A. Brunner
	Coxswain P. Wilbur.....		
June	5. Boatswain P. Wilbur.....	Riverside.....	Benjamin Rosenthal

BOATS ASSISTED

Date 1919	Members giving assistance	Place where	Boats assisted
Aug.	10. Jr. Lieut. H. B. Shuls.....	Cygnat Boat Club.....	Launch
May	30. T. S. Hoey.....	Allen Point Boat Club.....	Motorboat "Gem"
	J. Clabby.....		
	F. Finn.....		
	F. Hefner.....		
	J. McCarthy.....		
	Al. Clifton.....	Allen Point Boat Club.....	Launch
June	1. Crew McCarthy.....	Allen Point Boat Club.....	Rowboat
	W. Kelly.....		
	Doran.....		
	Clifton.....		
	Hoey.....		
	McCarthy.....	Allen Point Boat Club.....	Launch
May	30. Surfman Cusack.....	Queensborough Bridge.....	Launch "Thos. Mann"
	Surfman Hettinger.....		
	Surfman Maguire.....		
Oct.	12. W. Zeiber.....	Queensborough Bridge.....	Launch "Shoto"
	J. Nelson.....		
Apr.	30. Boatswain Charles Cylar.....	Riverside.....	Cutter

Date 1919	Members making rescue	Place where	Boats assisted
Apr. 30.	Captain Corcoran..... Surfman Leo Goebel..... Surfman Joe Syskny..... Surfman M. Arroll.....	Riverside.....	Cutter
May 9.	Captain W. Corcoran..... P. Wilbur..... Joe Lynsky.....		
21.	Captain Corcoran.....		
June 12.	Surfman Lynsky..... Surfman Arroll.....		
16.	Captain Corcoran..... Surfman Arroll..... Surfman Maas..... Boatswain P. Wilbur.....	Riverside.....	Motor boat
21.	Surfman Colton..... Surfman Lynsky..... Boatswain P. Wilbur.....		
19.	Surfman H. Flood..... Surfman Graham..... Captain Corcoran.....		
30.	Surfman P. Healy..... Captain Corcoran.....		
Aug. 30.	Boatswain P. Wilbur.....	Riverside.....	Raft

BODIES RECOVERED

Date 1918	Members giving assistance	Place where	Bodies recovered
May 31.	Captain T. S. Hoey..... 6. Joseph Lynsky..... John Zimook..... L. Geibel..... P. Wilbur..... M. Arroll.....	Allen Point Boat Club.....	No name
	7. Coxswain P. Mahn.....	Riverside.....	Tony Leisether
	28. Surfman Arroll..... Surfman J. Morris.....	Riverside.....	John Mattolita
July 1.	Surfman M. Arroll..... Captain Corcoran..... Surfman J. Lynsky..... Boatswain P. Wilbur.....	Riverside.....	William Fitzgerald
14.	Surfman William Graham..... Surfman John Weis.....	Riverside.....	Phillip J. Burgess
		Riverside.....	Unknown
		Riverside.....	John Cain

ANIMALS SAVED

Date 1918	Members giving assistance	Place where	Animals saved
July 13.	Surfman B. McDonald.....	Redwing Boat Club.....	One dog
14.	Captain John Murray.....	Redwing Boat Club.....	One cat
Dec. 2.	Jr. Lieut. A. Schnable.....	51st St., E. R.....	One dog

WRECKAGE

Date 1919	Members giving assistance	Place where	Wreckage removed
June 30.	McGlain and Binnie.....	Harlem.....	Two bear kegs
July 1.	Glemon and Hasselback.....	Harlem.....	One log
June 22.	Captain John Murray.....	Redwing Boat Club.....	Log

Date 1919	Members giving assistance	Place where	Wreckage removed
Sept.	12. Captain John Murray.....	Redwing Boat Club.....	Glass
	21. Captain John Murray.....	Redwing Boat Club.....	Glass
Nov.	9. Captain John Murray.....	Redwing Boat Club.....	Barrel of glass
Dec.	9. Captain John Murray.....	51st St., E. R.....	1 raft
Feb.	18. Captain Gennerich.....	Cygnat Boat Club.....	Log
April	3. Boatswain Wilbur.....	Riverside.....	Log
	Surfman Anoll.....		
	Boatswain P. Wilbur.....		
	Surfman Anoll.....		
	Surfman Lynsky.....	Riverside.....	Log
30.	Coxswain P. Mahn.....		
May	5. P. Mahn.....	Riverside.....	Log
	Boatswain Wilbur.....		
	Surfman Anoll.....		
	Surfman Lynsky.....		
	5. Surfman Lynsky.....	Riverside.....	Log
	Surfman Lynsky.....	Riverside.....	Raft
	6. Surfman Lynsky.....	Riverside.....	Log
	7. Surfman J. Lynsky.....	Riverside.....	Log
	Surfman M. Anoll.....		
	8. Captain Corcoran.....	Riverside.....	Raft
	Surfman J. Lynsky.....		
	Coxswain P. Wilbur.....	Riverside.....	Log
	10. Surfman M. Anoll.....	Riverside.....	Float
	12. Boatswain P. Wilbur.....	Riverside.....	Log
	10. Boatswain P. Wilbur.....	Riverside.....	Log
	Surfman J. A. Weis.....		
	20. Boatswain P. Wilbur.....	Riverside.....	Log
	Surfman J. Lynsky.....		
	21. Coxswain P. Mahn.....	Riverside.....	Log
	31. Surfman Healy.....	Riverside.....	Logged rowboat
	Surfman Geibe.....		
	Surfman Garden.....		
June	1. Surfman B. Maas.....	Riverside.....	Old mast head
	Surfman Graham.....		
	Surfman Anoll.....		
	Surfman Colton.....		
	Surfman Reidel.....	Riverside.....	Raft
	Surfman Graham.....		
	Surfman Lynsky.....	Riverside.....	Oil barrel
	2. Boatswain P. Wilbur.....		
	Surfman J. Lynsky.....		
	3. Surfman Reidel.....	Riverside.....	Log
	Surfman J. Flood.....		
	Surfman H. Geibel.....		
	Surfman C. Zemmock.....	Riverside.....	Log
	7. Surfman G. Flood.....		
	Boatswain P. Wilbur.....	Riverside.....	Raft
	11. Surfman B. Maas.....		
	Surfman T. Hennelly.....		
	13. Surfman B. Graham.....	Riverside.....	Old motorboa
	Surfman Geo. Flood.....		
	14. Surfman Leo Geibel.....	Riverside.....	Old hamper
	Surfman Reidel.....		
	17. Surfman Colton.....	Riverside.....	Old ship stair
	Surfman Flood.....		
	20. Surfman Reidel.....	Riverside.....	Raft
	Surfman Marohy.....		
	Surfman Colton.....		
	Boatswain P. Wilbur.....		

Date 1919	Members giving assistance	Place where	Wreckage removed
June 22.	Surfman Lynsky.....	Riverside.....	Log
	Surfman Henley.....		
	Surfman Weiss.....		
	Surfman Wilbur.....		
23.	Boatswain P. Wilbur.....	Riverside.....	Old oil barrel
	M. Anoll.....		
	H. Geibel.....		
July 2.	Surfman M. Anoll.....	Riverside.....	Log
	4. Boatswain P. Wilbur.....	Riverside.....	Log
	Surfman J. A. Weiss.....		
	Surfman J. Lynsky.....		
Aug.	1. Surfman Anoll.....	Riverside.....	Log
	Surfman J. Lynsky.....		
	Surfman L. Colton.....		
	2. Surfman M. Anoll.....	Riverside.....	Log
	Surfman P. Healy.....		
	4. Captain Corcoran.....	Riverside.....	Log
	Surfman M. Anoll.....		
	Surfman Ed. Hennelly.....		
	9. Captain P. Nelson.....	Queensborough Bridge.....	Spiles
	Surfman J. Kral.....		
	10. Surfman T. Cusack.....	Queensborough Bridge.....	Two planks
	Surfman J. Kral.....		
	16. Surfman Rosenblum.....	Queensborough Bridge.....	Barge sunk
	Surfman Kral.....		
	Surfman Cusack.....		
	Surfman Enderly.....		
May 31.	Jack O'Connor.....	Allen Point.....	Log
	Strettmatter.....		
June 16.	Kelly Doran.....	Allen Point.....	Three logs
July 9.	Louis Zaminer.....	Allen Point.....	Log
	Surfman Jos. J. Garrison.....	Allen Point.....	Two logs
	24. Crew Kelly and Maloney.....	Allen Point.....	Log

BOROUGH OF BROOKLYN

FIRST AID

Date 1919	Members rendering "first aid"	Place where	Persons assisted
May 30.	Captain Liociardi.....	Washington Station.....	Jim Hallow
	Surfman Eyerb.....	Washington Station.....	Jack Hudson
June 2.	Captain F. Liociardi.....	Washington Station.....	Marty Green
	3. Surfman C. Multer.....	Washington Station.....	S. Cohen
	5. Surfman C. Multer.....	Washington Station.....	Mr. Mooney
	Surfman C. Multer.....	Washington Station.....	Joe Goldstein
	6. Surfman C. Multer.....	Washington Station.....	Mrs. Kaplitz
	Surfman C. Multer.....	Washington Station.....	Miss Pilnil
	6. Surfman C. Multer.....	Washington Station.....	Mrs. Schmolowitz
	Surfman C. Multer.....	Washington Station.....	Miss Noble
	9. Surfman C. Multer.....	Washington Station.....	Joe Wolf
	15. Surfman C. Multer.....	Washington Station.....	Mrs. A. Deutch
	Surfman C. Multer.....	Washington Station.....	Mr. Prouse
	16. Anthony Liociardi.....	Washington Station.....	Lewis Greenberg
	Captain Liociardi.....	Washington Station.....	Tessie Solts
	16. Captain Liociardi.....	Washington Station.....	Jane Cornburg
20.	Anthony Liociardi.....	Washington Station.....	Mrs. S. Deutch
24.	Captain Liociardi.....	Washington Station.....	Anna Mayer
25.	Sam Eyerb.....	Washington Station.....	Jack Mulhall
26.	Captain Liociardi.....	Washington Station.....	Jack Goldstein

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Date 1919	Members rendering " first aid "	Place where	Persons assisted
June 28.	Captain Liociardi.....	Washington Station.....	Elsie Seifert
July 3.	Anthony Liociardi.....	Washington Station.....	Wm. Sprague
	4. Surfman Chas. Multer.....	Washington Station.....	Moe Dushkin
	Anthony Liociardi.....	Washington Station.....	Sadie Castorina
	Surfman Chas. Multer.....	Washington Station.....	Sam Greenberg
	Surfman Chas. Multer.....	Washington Station.....	Miss Kats
	Surfman Chas. Multer.....	Washington Station.....	Miss Ruttenberg
	Surfman Chas. Multer.....	Washington Station.....	Mr. Shanbrome
	Surfman Chas. Multer.....	Washington Station.....	Mr. Levey
	Surfman Chas. Multer.....	Washington Station.....	Mr. G. Klein
	Surfman Chas. Multer.....	Washington Station.....	Phil. Dworkin
	Surfman Chas. Multer.....	Washington Station.....	Mr. Golding
	Surfman Chas. Multer.....	Washington Station.....	Joe Susselman
	Surfman Chas. Multer.....	Washington Station.....	Mrs. Lepold
	Surfman Chas. Multer.....	Washington Station.....	Miss Sweller
	Anthony Liociardi.....	Washington Station.....	Louis Seiler
	6. Jr. Lieut. Samuel Multer.....	Washington Station.....	Samuel Phillips
	6. Jr. Lieut. Samuel Multer.....	Washington Station.....	Rose Singer
July 6.	Jr. Lieut. Samuel Multer.....	Washington Station.....	Anna Jaffee
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Robert Hunowich
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Rose Soherer
	7. Jr. Lieut. Samuel Multer.....	Washington Station.....	Edward Guisberg
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Marion Multer
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Chas. Abrahams
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Ed. Merolla
	Surfman R. Rottenberg.....	Washington Station.....	Isidore Yeokowits
	Surfman R. Rottenberg.....	Washington Station.....	Sam Levine
	8. Jr. Lieut. Samuel Multer.....	Washington Station.....	Rose Haeckel
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Morris Heyman
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Sam Kosower
	9. Surfman R. Rottenberg.....	Washington Station.....	Clarence Ross
	Surfman R. Rottenberg.....	Washington Station.....	Sadie Horowitz
	Surfman R. Rottenberg.....	Washington Station.....	Annie Cohen
	Captain Liociardi.....	Washington Station.....	S. Scrivani
	Captain Liociardi.....	Washington Station.....	Geo. Catanzaro
	Anthony Liociardi.....	Washington Station.....	Edith Klausner
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Samuel Mildmon
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Pauline Brenner
	10. Surfman R. Rottenberg.....	Washington Station.....	John Keller
	Surfman R. Rottenberg.....	Washington Station.....	Jack Kats
	Jr. Lieut. Samuel Multer.....	Washington Station.....	John Roterer
	11. Surfman R. Rottenberg.....	Washington Station.....	Sam Egert
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Evelyn Soherer
	Surfman R. Rottenberg.....	Washington Station.....	Joe Cohen
	Surfman R. Rottenberg.....	Washington Station.....	Rob Lehren
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Abe Greyel
	Surfman R. Rottenberg.....	Washington Station.....	Elsie Janis
	13. Captain Liociardi.....	Washington Station.....	R. Richardson
	Surfman R. Rottenberg.....	Washington Station.....	Julius Ebert
	14. Surfman R. Rottenberg.....	Washington Station.....	William Golden
	Surfman R. Rottenberg.....	Washington Station.....	Louis Goldberg
	Captain Liociardi.....	Washington Station.....	R. Weisenberg
	15. Sam Egert.....	Washington Station.....	William Riley
	Captain Liociardi.....	Washington Station.....	Margaret Joyce
	Surfman R. Rottenberg.....	Washington Station.....	Evelyn Nesbit
	16. Jr. Lieut. Samuel Multer.....	Washington Station.....	Elisabeth Davis
July 16.	Jr. Lieut. Samuel Multer.....	Washington Station.....	Helen Brenner
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Laura Multer
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Samuel Mulcally
	Captain Liociardi.....	Washington Station.....	Reggy Wiener

Date 1919	Members rendering " first aid	Place where	Persons assisted
July	17. Jr. Lieut. Samuel Multer.....	Washington Station.....	William Goldberg
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Marion Boum
	18. Anthony Liociardi.....	Washington Station.....	Norma Ruckdeschel
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Francis Golden
	19. Captain Liociardi.....	Washington Station.....	Mamie Yelaky
	Anthony Liociardi.....	Washington Station.....	Mae Campbell
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Frank Cassidy
	20. Anthony Liociardi.....	Washington Station.....	Billy Hodge
	Captain Liociardi.....	Washington Station.....	Mrs. A. Hugh
	Anthony Liociardi.....	Washington Station.....	J. J. Sullivan
	21. Captain F. Liociardi.....	Washington Station.....	Isidore Feltman
	23. Captain F. Liociardi.....	Washington Station.....	Jack Hallacey
	24. Jr. Lieut. Samuel Multer.....	Washington Station.....	Mr. Gang
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Miss Mondshine
	25. Jr. Lieut. Samuel Multer.....	Washington Station.....	Mrs. Fabiner
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Laura Scherer
	26. Jr. Lieut. Samuel Multer.....	Washington Station.....	Mr. Gold
	Anthony Liociardi.....	Washington Station.....	James Hilton
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Samuel Wiener
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Lena Fingerhood
	Captain Liociardi.....	Washington Station.....	Wm. DeLeur
	27. Jr. Lieut. Samuel Multer.....	Washington Station.....	Abraham Fingerhood
	Anthony Liociardi.....	Washington Station.....	Paul Greco
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Alfred Dermany
	28. Anthony Liociardi.....	Washington Station.....	Joe. Rose
	Jr. Lieut. Samuel Multer.....	Washington Station.....	H. Silser
	Captain Liociardi.....	Washington Station.....	W. Lisick
	30. Jr. Lieut. Samuel Multer.....	Washington Station.....	Mrs. Halpern
	Anthony Liociardi.....	Washington Station.....	B. J. Rosenblatt
	31. Anthony Liociardi.....	Washington Station.....	Max Goldstein
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Mrs. Sheffelin
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Mrs. Yartosky
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Mrs. Wolfe
Aug.	1. Jr. Lieut. Samuel Multer.....	Washington Station.....	J. Silverman
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Miss Fisherman
	2. Jr. Lieut. Samuel Multer.....	Washington Station.....	Chas. Jackman
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Max Posen
	Surfman W. Egert.....	Washington Station.....	Bonnie Newman
	3. Captain Liociardi.....	Washington Station.....	Ethel Grathan
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Jeanette Shapiro
	4. Jr. Lieut. Samuel Multer.....	Washington Station.....	Frank Lillinger
	Surfman Chas. Multer.....	Washington Station.....	Max Ornstein
	Surfman Chas. Multer.....	Washington Station.....	Miss Leitner
	Surfman Chas. Multer.....	Washington Station.....	I. Weiss
	6. Jr. Lieut. Samuel Multer.....	Washington Station.....	Daniel Baral
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Louis Malago
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Sol. Curtis
	Sam Egert.....	Washington Station.....	Jennie Moods
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Nat. Gold
	Jr. Lieut. Samuel Multer.....	Washington Station.....	Joseph Zverdling
	7. Anthony Liociardi.....	Washington Station.....	Tony Ballard
	8. Surfman Chas. Multer.....	Washington Station.....	Joe Gitlin
	10. Sam Egert.....	Washington Station.....	Jim Sullivan
	Anthony Liociardi.....	Washington Station.....	Chas. Mary
	11. Captain Liociardi.....	Washington Station.....	Ruth Waterstein
	12. Anthony Liociardi.....	Washington Station.....	Herbert Ansurysne
	15. Sam Egert.....	Washington Station.....	Aaron Levy
	Sam Egert.....	Washington Station.....	Lillian Graves
	Sam Egert.....	Washington Station.....	Jack Wilson
	Anthony Liociardi.....	Washington Station.....	Lillian Graves

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Date 1919	Members rendering " first aid	Place where	Persons assisted
Aug.	17. Captain Licciardi.....	Washington Station.....	R. O'Rourke
	19. Captain Licciardi.....	Washington Station.....	E. Wase
	21. Captain Licciardi.....	Washington Station.....	Mrs. Valtri
	24. Anthony Licciardi.....	Washington Station.....	Gertrude Kleiner
	Anthony Licciardi.....	Washington Station.....	A. Silver
	25. Captain Licciardi.....	Washington Station.....	Sam. Egert
	Captain Licciardi.....	Washington Station.....	George Newkirk
	26. Captain Licciardi.....	Washington Station.....	A. J. Matto
	27. Anthony Licciardi.....	Washington Station.....	F. Straube
	28. Anthony Licciardi.....	Washington Station.....	John Holt
	29. Anthony Licciardi.....	Washington Station.....	F. Straube
	Anthony Licciardi.....	Washington Station.....	G. Champagne
	30. Anthony Licciardi.....	Washington Station.....	Lillie Secks
Sept.	1. Anthony Licciardi.....	Washington Station.....	Rose Haskell
	Captain Licciardi.....	Washington Station.....	Hasel Stephenson
	Captain Licciardi.....	Washington Station.....	Anna Becker
	Anthony Licciardi.....	Washington Station.....	Jeanie Greenberg
	Anthony Licciardi.....	Washington Station.....	Mannie Schwartz
June	1. Aug. S. Newmark.....	Dreamland.....	Harry Steinberg
	Aug. S. Newmark.....	Dreamland.....	Lester White
	6. Jr. Lieut. Clarkson.....	Dreamland.....	Beatrice Feltman
	Jr. Lieut. Clarkson.....	Dreamland.....	Joe Vietri
	14. Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Ruth Ashton
	15. Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Sam Butinsky
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Hanna Druskoff
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	D. Eichman
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Louis Schwartz
	19. Surfman G. Gerhard.....	Dreamland.....	Ruth Eckhardt
	20. Surfman G. Gerhard.....	Dreamland.....	L. Coehran
	21. H. Hageman.....	Dreamland.....	Benjamin Abramovits
	21. Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Aaron Feirman
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Josef Price
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	C. Mason
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	A. Abrahams
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Howard Hageman
	22. Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Max. Newman
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Jacob Weber
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	J. J. Militello
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Harold Cohn
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Louis Orsmeleth
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Anthony Carallina
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Louis Zinn
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	David Gill
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Irving Galdmar
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	S. Ballin
	A't S'g Mate H. H. Hageman..	Dreamland.....	George Gerhardt
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Sam Suerber
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Litty Flatamer
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Charles Berneck
	23. Captain Walter Hotto.....	Dreamland.....	Shirley White
	Captain Walter Hotto.....	Dreamland.....	R. Aycoob
	29. Surfman Gerhard.....	Dreamland.....	I. Schwartzberg
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	George Holloway
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	I. Eichner
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	William Pace
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Joe Parish
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	L. Nelson
July	4. Surfman G. Gerhard.....	Dreamland.....	Morris Glatt
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Albert Levine
	Surgeon Mate Aug 8. Newmark.....	Dreamland.....	Nathan Berman

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	4. Surgeon Mate Aug S. Newmark.	Dreamland	Sam Miller
	Surgeon Mate Aug S. Newmark.	Dreamland	Louis Eppner
	Surgeon Mate Aug S. Newmark.	Dreamland	Selig Felsenfeld
	Surgeon Mate Aug S. Newmark.	Dreamland	Paul Saks
	Surgeon Mate Aug S. Newmark.	Dreamland	Charles Muller
	Surgeon Mate Aug S. Newmark.	Dreamland	Ruben Unterweiser
	Surgeon Mate Aug S. Newmark.	Dreamland	Samuel Davis
	Surgeon Mate Aug S. Newmark.	Dreamland	B. Albert
	Surgeon Mate Aug S. Newmark.	Dreamland	M. Weisman
	Surgeon Mate Aug S. Newmark.	Dreamland	B. Goldstein
	Surgeon Mate Aug S. Newmark.	Dreamland	Irving Drucker
	Surgeon Mate Aug S. Newmark.	Dreamland	S. Salomon
	Surgeon Mate Aug S. Newmark.	Dreamland	Henrietta Forthman
	Surgeon Mate Aug S. Newmark.	Dreamland	S. Roth
	Surgeon Mate Aug S. Newmark.	Dreamland	Joe Macow
	Surgeon Mate Aug S. Newmark.	Dreamland	H. Abramowitz
	Surgeon Mate Aug S. Newmark.	Dreamland	Philippi Reader
	Surgeon Mate Aug S. Newmark.	Dreamland	Jennie Kaplan
	Surgeon Mate Aug S. Newmark.	Dreamland	N. Paleoy
	Surgeon Mate Aug S. Newmark.	Dreamland	James Oliver
	Surgeon Mate Aug S. Newmark.	Dreamland	L. Ginsberg
	Surgeon Mate Aug S. Newmark.	Dreamland	Max Schwartz
	Surgeon Mate Aug S. Newmark.	Dreamland	Sam. Goldberg
	Surgeon Mate Aug S. Newmark.	Dreamland	Charles Kushner
	Surgeon Mate Aug S. Newmark.	Dreamland	Rose Ormsay
	Surgeon Mate Aug S. Newmark.	Dreamland	A. Moskowitz
	Surgeon Mate Aug S. Newmark.	Dreamland	William Kahn
	Surgeon Mate Aug S. Newmark.	Dreamland	Dan Silver
	Surgeon Mate Aug S. Newmark.	Dreamland	B. Prager
	Surgeon Mate Aug S. Newmark.	Dreamland	Joe Sansino
	Surgeon Mate Aug S. Newmark.	Dreamland	Irving Adler
	Surgeon Mate Aug S. Newmark.	Dreamland	Sam Bernstein
	Surgeon Mate Aug S. Newmark.	Dreamland	David Bernstein
	Surgeon Mate Aug S. Newmark.	Dreamland	Wolf Rosenberg
	Surgeon Mate Aug S. Newmark.	Dreamland	Clara Rober
	Surgeon Mate Aug S. Newmark.	Dreamland	Philipp Minichinn
	Surgeon Mate Aug S. Newmark.	Dreamland	Lena Silverstein
	Surfman Gerhard	Dreamland	Henry Zuckerman
	Asst. Surg. Mate Hegerman	Dreamland	L. Curent
	Surgeon Mate Aug S. Newmark.	Dreamland	D. Libion
	Surgeon Mate Aug S. Newmark.	Dreamland	A. Schneider
5.	Surgeon Mate Aug S. Newmark.	Dreamland	Ignats Krants
	Surfman Hageman	Dreamland	Richard Jaccarino
	Surgeon Mate Aug S. Newmark.	Dreamland	G. Spiesel
	Surgeon Mate Aug S. Newmark.	Dreamland	E. Becker
	Surgeon Mate Aug S. Newmark.	Dreamland	Rosie Goldberg
	Surgeon Mate Aug S. Newmark.	Dreamland	Sam Bellinger
	Surgeon Mate Aug S. Newmark.	Dreamland	Josef Machtel
	Surgeon Mate Aug S. Newmark.	Dreamland	Louis Feinberg
	Surgeon Mate Aug S. Newmark.	Dreamland	Sam Stein
	Surgeon Mate Aug S. Newmark.	Dreamland	Mikred Ackerman
	Surgeon Mate Aug S. Newmark.	Dreamland	W. Coddington
	Surgeon Mate Aug S. Newmark.	Dreamland	Sarah Lerman
	Surgeon Mate Aug S. Newmark.	Dreamland	S. Feldman
	Surgeon Mate Aug S. Newmark.	Dreamland	A. Hirsch
	Surgeon Mate Aug S. Newmark.	Dreamland	Hyman Slatkin
	Surfman L. Emerson	Dreamland	Fanny Bunstein
	Surgeon Mate Aug S. Newmark.	Dreamland	Mikred Buman
	Surgeon Mate Aug S. Newmark.	Dreamland	S. Hersheim
	Surgeon Mate Aug S. Newmark.	Dreamland	A. Bialutsky

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	5. Surgeon Mate Aug 8. Newmark.	Dreamland.....	Harold Angel
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Louis Weinstein
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	M. Ringel
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Isidore Bunstein
	Surfman Gerhard.....	Dreamland.....	Philipp White
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Becky Schencker
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Beatrice Perles
	Surfman L. Emerson.....	Dreamland.....	L. Adler
	Surfman L. Emerson.....	Dreamland.....	W. Dellatiner
	Captain Muller.....	Dreamland.....	William Rubim
	Surfman Harry Meyer.....	Dreamland.....	Yetta Cottlick
	Surfman C. E. Earl.....	Dreamland.....	Sigmund Tullman
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Ruben Rattner
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Philip Branerman
	Captain H. Maller.....	Dreamland.....	D. Leney
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Bertha Ignatonosky
	Surgeon Mate Aug 8. Newmark.	Dreamland.....	Lew Riegberg
	Surfman L. Emerson.....	Dreamland.....	Hyman Kassei
	Surg. Mate A. S. Newmark....	Dreamland.....	Chas. Aninch
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidor Kulkow
	Surg. Mate A. S. Newmark....	Dreamland.....	Philip Schwartz
	Surg. Mate A. S. Newmark....	Dreamland.....	Benj. Davis
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Prideman
	Surg. Mate A. S. Newmark....	Dreamland.....	Shaw Bugler
	Surg. Mate A. S. Newmark....	Dreamland.....	Samuel Spat
	Surg. Mate A. S. Newmark....	Dreamland.....	Joe Mascawits
	Surg. Mate A. S. Newmark....	Dreamland.....	Lilly Levine
	Surfman L. Emerson.....	Dreamland.....	A. Rubin
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Sandler
	6. Surfman H. H. Hageman.....	Dreamland.....	Sam Weissman
	Surg. Mate A. S. Newmark....	Dreamland.....	H. Fox
	Surg. Mate A. S. Newmark....	Dreamland.....	D. Cooper
	Surg. Mate A. S. Newmark....	Dreamland.....	Max Sussman
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Ruben
	Surg. Mate A. S. Newmark....	Dreamland.....	Sigmund Fullman
	Surg. Mate A. S. Newmark....	Dreamland.....	Chas. Reich
	Surg. Mate A. S. Newmark....	Dreamland.....	Marx Klineky
	Surg. Mate A. S. Newmark....	Dreamland.....	Doris Heyman
	Surg. Mate A. S. Newmark....	Dreamland.....	David Montifore
	Surg. Mate A. S. Newmark....	Dreamland.....	Anthony Zaller
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Barnett.
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Kamly
	Surg. Mate A. S. Newmark....	Dreamland.....	Marx Budin
	Surg. Mate A. S. Newmark....	Dreamland.....	Lester Herman
	Surg. Mate A. S. Newmark....	Dreamland.....	Eugene Folk
	Surfman L. Emerson.....	Dreamland.....	Benjamin Frank
	Surg. Mate A. S. Newmark....	Dreamland.....	Becky Tahack
	Surg. Mate A. S. Newmark....	Dreamland.....	H. S. Berger
	Surfman L. Emerson.....	Dreamland.....	R. Cracenera
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Goldberg
	Surg. Mate A. S. Newmark....	Dreamland.....	John Rudeck
	Surfman E. Emerson.....	Dreamland.....	Harry Kasaffsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Jack Leibawits
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Koch
	Surg. Mate A. S. Newmark....	Dreamland.....	Fred Schild
	Surg. Mate A. S. Newmark....	Dreamland.....	Wm. Kaiser
	Surfman L. Emerson.....	Dreamland.....	B. Gefaud
	Surfman L. Emerson.....	Dreamland.....	B. Gepand
	Surfman L. Emerson.....	Dreamland.....	D. Zimmerman
	Surg. Mate A. S. Newmark....	Dreamland.....	Philip P. Weiss

Date 1919	Members rendering " first aid	Place where	Persons assisted
July	6. Surg. Mate A. S. Newmark....	Dreamland.....	Nathan Blake
	Surg. Mate A. S. Newmark....	Dreamland.....	Marx Leman
	Surg. Mate A. S. Newmark....	Dreamland.....	J. H. Silverman
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Zucker
	Surfman L. Emerson.....	Dreamland.....	M. Feldman
	Surg. Mate A. S. Newmark....	Dreamland.....	Simon Savitsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Rose Heins
	Surfman L. Emerson.....	Dreamland.....	G. Guido
	Surfman L. Emerson.....	Dreamland.....	Abe Kasasky
	Surfman L. Emerson.....	Dreamland.....	O. Bergman
	Surg. Mate A. S. Newmark....	Dreamland.....	Marx Friedman
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Rogawits
	Surfman H. Hageman.....	Dreamland.....	A. Umanaky
	Surfman L. Emerson.....	Dreamland.....	H. Miller
	Surg. Mate A. S. Newmark....	Dreamland.....	Victor Rosenberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Herman Delin
	Surfman L. Emerson.....	Dreamland.....	W. Fraler
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Steinman
	Surfman H. Hageman.....	Dreamland.....	Jacob Rubenbaum
	Surfman L. Emerson.....	Dreamland.....	J. Sunshine
	Surg. Mate A. S. Newmark....	Dreamland.....	John Zdradawsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Ide Levecoff
	Surfman L. Emerson.....	Dreamland.....	D. Rogers
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Ripaky
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Wiener
	Capt. H. Moeller.....	Dreamland.....	Chas. Krawits
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Feldman
	Surfman L. Emerson.....	Dreamland.....	L. Moekawits
	Surg. Mate A. S. Newmark....	Dreamland.....	Abe Grant
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Sauder
	Surg. Mate A. S. Newmark....	Dreamland.....	Irving Karten
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Greenbaum
	Surg. Mate A. S. Newmark....	Dreamland.....	H. Fikiln.
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Braunstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Bersel
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Miller
	7. Surfman Hoffman.....	Dreamland.....	William Ward
	6. Surg. Mate A. S. Newmark....	Dreamland.....	David Glasgow
	Surfman L. Emerson.....	Dreamland.....	S. Schirff
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Grosser
	Surg. Mate A. S. Newmark....	Dreamland.....	Philipp Cutler
	Surfman Herklats.....	Dreamland.....	Lawrence Proctor
	Surfman Herklats.....	Dreamland.....	Gussie Koenke
	Surg. Mate A. S. Newmark....	Dreamland.....	Ruth Peyser
	Surg. Mate A. S. Newmark....	Dreamland.....	Irving Cohen
	Surfman L. Emerson.....	Dreamland.....	W. Gamberg
	Surfman L. Emerson.....	Dreamland.....	L. Rosenberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Nicholas Martucci
	Surg. Mate A. S. Newmark....	Dreamland.....	Jenny Walperwits
	Surg. Mate A. S. Newmark....	Dreamland.....	Simon Laskey
	Surg. Mate A. S. Newmark....	Dreamland.....	Nathan Dacher
	7. Surfman Hoffman.....	Dreamland.....	Harold Barnes
	Surfman Hoffman.....	Dreamland.....	Nathan Focanreich
	9. Captain H. Moeller, Jr.....	Dreamland.....	Ben Cohen
	12. Surg. Mate A. S. Newmark....	Dreamland.....	George Yedlen
	Surg. Mate A. S. Newmark....	Dreamland.....	George Wolin
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Jackson
	Surg. Mate A. S. Newmark....	Dreamland.....	Ruben Itakowits
	Surg. Mate A. S. Newmark....	Dreamland.....	Getay Sirola
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Sigel

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	12. Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Meltzer
	Surg. Mate A. S. Newmark....	Dreamland.....	Bennie Tane
	Surg. Mate A. S. Newmark....	Dreamland.....	Nathan Feinberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Albert Millinery
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Buchman
	Surg. Mate A. S. Newmark....	Dreamland.....	D. Joffe
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Kershenbaum
	Surg. Mate A. S. Newmark....	Dreamland.....	Sarah Salowsky
	14. Surfman Miles.....	Dreamland.....	William Fried
	Surfman Miles.....	Dreamland.....	Helen Brasan
	Surfman Miles.....	Dreamland.....	Geo. Wouloffowits
	16. Surg. Mate A. S. Newmark....	Dreamland.....	Minnie Tahachnikoff
	Surfman L. Emerson.....	Dreamland.....	S. Openberg
	19. Surg. Mate A. S. Newmark....	Dreamland.....	Getsey Sirola
	20. Captain W. J. Hotte.....	Dreamland.....	M. Silverman
	25. J. S. Hageman.....	Dreamland.....	Bernard Bernbaum
	26. Surg. Mate A. S. Newmark....	Dreamland.....	Schmeltzer
	Surg. Mate A. S. Newmark....	Dreamland.....	Skuter
July	26. Surg. Mate A. S. Newmark....	Dreamland.....	Sasck
	Surg. Mate A. S. Newmark....	Dreamland.....	Saldo
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Reiffen
	Surg. Mate A. S. Newmark....	Dreamland.....	H. Engel
	Surg. Mate A. S. Newmark....	Dreamland.....	Max Luceah
	Surg. Mate A. S. Newmark....	Dreamland.....	Jack Gary
	Surg. Mate A. S. Newmark....	Dreamland.....	L. Hershfield
	Surg. Mate A. S. Newmark....	Dreamland.....	C. Kets
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Hubler
	Surg. Mate A. S. Newmark....	Dreamland.....	I. Kaufman
	Surg. Mate A. S. Newmark....	Dreamland.....	W. Schwartz
	Captain H. Moeller Jr.....	Dreamland.....	J. Machover
	Surgeon at Coney Island Hosp.	Dreamland.....	Max Schlusser
	Surg. Mate A. S. Newmark....	Dreamland.....	Sylvia Cohen
	Surg. Mate A. S. Newmark....	Dreamland.....	Becker
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Wanger
	Surg. Mate A. S. Newmark....	Dreamland.....	Samuel Snerdlow
	Surg. Mate A. S. Newmark....	Dreamland.....	Ida Hurwits
	Surg. Mate A. S. Newmark....	Dreamland.....	Max Skler
	Surg. Mate A. S. Newmark....	Dreamland.....	Josef Fieberman
	Surg. Mate A. S. Newmark....	Dreamland.....	Ethel Williams
	Captain W. J. Hotte.....	Dreamland.....	H. Forman
	Surfman C. K. S h w a r t s l o p f.....	Dreamland.....	David Rubin
27.	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Stein
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Spencer
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Zlarabewsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Bennie Koerner
	Surg. Mate A. S. Newmark....	Dreamland.....	Jacob Gelb
	Surg. Mate A. S. Newmark....	Dreamland.....	Harold Rens
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Yessen
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Davis
	Surg. Mate A. S. Newmark....	Dreamland.....	Rebecca Hecker
	Surg. Mate A. S. Newmark....	Dreamland.....	Moses Ruben
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Funelstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Quin. Pintel
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Karaban
	Surg. Mate A. S. Newmark....	Dreamland.....	Mrs. Sedley
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Markowits
	Surg. Mate A. S. Newmark....	Dreamland.....	Jane Sinder
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Goldensohn
	Surfman L. Emerson.....	Dreamland.....	M. Slutsky
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Muller

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July 27.	Surfman L. Emerson.....	Dreamland.....	E. Kraus
	Surfman L. Emerson.....	Dreamland.....	M. Galper
	Surfman L. Emerson.....	Dreamland.....	Mat. Blits
	Surg. Mate A. S. Newmark.....	Dreamland.....	H. Herberg
	L. Emerson.....	Dreamland.....	Sam. Brown
	Surg. Mate A. S. Newmark.....	Dreamland.....	Jerome Mitten
	Surg. Mate A. S. Newmark.....	Dreamland.....	J. Kiasner
	Surfman L. Emerson.....	Dreamland.....	A. Linzer
	Coxswain Strasburg.....	Dreamland.....	A. Kustunowits
	Surg. Mate A. S. Newmark.....	Dreamland.....	Chas. Blumenthal
	Surg. Mate A. S. Newmark.....	Dreamland.....	Phillip Yapnick
	Surg. Mate A. S. Newmark.....	Dreamland.....	Joe Hochberg
	Surfman L. Emerson.....	Dreamland.....	R. Kaplawits
	Surg. Mate A. S. Newmark.....	Dreamland.....	Sam Lutsien
	Surfman L. Emerson.....	Dreamland.....	B. Schnarts
	Surg. Mate A. S. Newmark.....	Dreamland.....	Jacob Littlefield
	Surg. Mate A. S. Newmark.....	Dreamland.....	Eva Grattle
	Surg. Mate A. S. Newmark.....	Dreamland.....	Ether Abramson
	Surg. Mate A. S. Newmark.....	Dreamland.....	Marx Napp
	Surg. Mate A. S. Newmark.....	Dreamland.....	Geo. Depunsa
	Surg. Mate A. S. Newmark.....	Dreamland.....	Clara Lehlin
	Surg. Mate A. S. Newmark.....	Dreamland.....	Louis Gaidel
	Surg. Mate A. S. Newmark.....	Dreamland.....	Pincus Krinn
	Surg. Mate A. S. Newmark.....	Dreamland.....	David Hershkowitz
	Surg. Mate A. S. Newmark.....	Dreamland.....	Mack Wolints
	Surfman L. Emerson.....	Dreamland.....	Joseph Levine
	Surg. Mate A. S. Newmark.....	Dreamland.....	Geo. Schenets
	Surg. Mate A. S. Newmark.....	Dreamland.....	Louis Fitter
	Surg. Mate A. S. Newmark.....	Dreamland.....	Van Cooper
	Surg. Mate A. S. Newmark.....	Dreamland.....	Harry Zimmerman
	Surg. Mate A. S. Newmark.....	Dreamland.....	Tony Scio
	Surg. Mate A. S. Newmark.....	Dreamland.....	I. Schumer
	Surg. Mate A. S. Newmark.....	Dreamland.....	I. Schuer
	Surg. Mate A. S. Newmark.....	Dreamland.....	Sam Goldstein
	Surg. Mate A. S. Newmark.....	Dreamland.....	D. Glaser
	Surg. Mate A. S. Newmark.....	Dreamland.....	B. Wolfeld
	Surg. Mate A. S. Newmark.....	Dreamland.....	Levine Lewis
	Surfman L. Emerson.....	Dreamland.....	Schnoll
	Surfman L. Emerson.....	Dreamland.....	Wollman
	Surg. Mate A. S. Newmark.....	Dreamland.....	Paul Landaman
	Surg. Mate A. S. Newmark.....	Dreamland.....	Louis Snider
	Surfman L. Emerson.....	Dreamland.....	J. Pincus
	Surg. Mate A. S. Newmark.....	Dreamland.....	Sarah Zudker
	Surfman L. Emerson.....	Dreamland.....	B. Libowitz
	Coxswain E. H. Strasburg.....	Dreamland.....	Morris Jasper
	Surfman L. Emerson.....	Dreamland.....	J. Hegstetter
	Surg. Mate A. S. Newmark.....	Dreamland.....	Phillip Graff
	Surfman L. Emerson.....	Dreamland.....	H. Pitchker
	Surg. Mate A. S. Newmark.....	Dreamland.....	Marx Siegel
	Coxswain E. A. Strasburg.....	Dreamland.....	Sam Cohn
	Surg. Mate A. S. Newmark.....	Dreamland.....	Marx Knapp
	Surg. Mate A. S. Newmark.....	Dreamland.....	Jack Gellman
	Surg. Mate A. S. Newmark.....	Dreamland.....	Chas. Rosenthal
	Surg. Mate A. S. Newmark.....	Dreamland.....	M. Kaplof
	Surg. Mate A. S. Newmark.....	Dreamland.....	M. Klein
	Surg. Mate A. S. Newmark.....	Dreamland.....	I. L. Kunkel
	Surg. Mate A. S. Newmark.....	Dreamland.....	J. Brenner
	Surg. Mate A. S. Newmark.....	Dreamland.....	Herman Bennawits
	Surg. Mate A. S. Newmark.....	Dreamland.....	Schwartz
	Surg. Mate A. S. Newmark.....	Dreamland.....	Sam Green

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	27. Surg. Mate A. S. Newmark....	Dreamland.....	Sadie Pasemaky
	Surfman L. Emerson.....	Dreamland.....	S. Wiesberger
	Surg. Mate A. S. Newmark....	Dreamland.....	Marx Haders
	Surg. Mate A. S. Newmark....	Dreamland.....	Jack Stutter
	28. Surfman E. Gross.....	Dreamland.....	Florence Woltman
	29. Surg. Mate A. S. Newmark....	Dreamland.....	Julius Kiderman
	Surg. Mate A. S. Newmark....	Dreamland.....	Yetta Schiff
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Eldero
	Surg. Mate A. S. Newmark....	Dreamland.....	John Salb
	Surg. Mate A. S. Newmark....	Dreamland.....	Jacob Goodman
	Surg. Mate A. S. Newmark....	Dreamland.....	I. Saks
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Kantrowits
	Surg. Mate A. S. Newmark....	Dreamland.....	Annie Eisberg
	Surg. Mate A. S. Newmark....	Dreamland.....	William Wendel
	Surg. Mate A. S. Newmark....	Dreamland.....	Manuel Rappaport
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Kaplan
	Surg. Mate A. S. Newmark....	Dreamland.....	Joseph Milkman
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Shipper
	Surg. Mate A. S. Newmark....	Dreamland.....	Anna Lipson
	J. A. Hageman.....	Dreamland.....	Park attendant
	Surg. Mate A. S. Newmark....	Dreamland.....	Pauline Pachter
	Surg. Mate A. S. Newmark....	Dreamland.....	Bennie Sakovsky
	30. J. A. Hageman.....	Dreamland.....	Joseph Rosenthal
	J. A. Hageman.....	Dreamland.....	Alice Barlow
	J. A. Hageman.....	Dreamland.....	John Whittle
	J. A. Hageman.....	Dreamland.....	Vincent Detalia
	Surfman Ed. Gross.....	Dreamland.....	J. Rupp
	Surfman Ed. Gross.....	Dreamland.....	Francis Percival
	J. Hageman.....	Dreamland.....	Selma D. House
	Surfman E. Gross.....	Dreamland.....	Irene Vince
	31. Surfman Hoffman.....	Dreamland.....	Grace Daly.
	Surfman Hoffman.....	Dreamland.....	Max Kolaky
	Surfman Hoffman.....	Dreamland.....	Rose Glaser
	Surfman Hoffman.....	Dreamland.....	Isidore Kasanaky
	Surfman E. Gross.....	Dreamland.....	W. Wendell
Aug.	2. Surfman E. Gross.....	Dreamland.....	Harry Wassman
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Obetgarten
	Surg. Mate A. S. Newmark....	Dreamland.....	David Aaronson
	Surg. Mate A. S. Newmark....	Dreamland.....	S. W. Howard
	Surg. Mate A. S. Newmark....	Dreamland.....	Becky Loper
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Friedberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Iaidore Samber
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Uredaky
	Captain W. J. Hotte.....	Dreamland.....	M. Lawler
	3. Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Ackerson
	Surg. Mate A. S. Newmark....	Dreamland.....	D. Blatt
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Wilfawits
	Surg. Mate A. S. Newmark....	Dreamland.....	Tony Beasate
	Surg. Mate A. S. Newmark....	Dreamland.....	Sol. Brans
	Surg. Mate A. S. Newmark....	Dreamland.....	Ben. Baum
	Surg. Mate A. S. Newmark....	Dreamland.....	John Giganti
	Surg. Mate A. S. Newmark....	Dreamland.....	Roe Saperstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Irving Schuman
	Surg. Mate A. S. Newmark....	Dreamland.....	Ella Heimowits
	Surg. Mate A. S. Newmark....	Dreamland.....	Julius Winter
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Lipnitsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Harowits
	Surg. Mate A. S. Newmark....	Dreamland.....	Lina Silver
	Surg. Mate A. S. Newmark....	Dreamland.....	Dorothy Berger
	Surg. Mate A. S. Newmark....	Dreamland.....	F. Fuccinardi

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Aug.	3. Surg. Mate A. S. Newmark....	Dreamland.....	Perry Marks
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Bernstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Fried
	Surg. Mate A. S. Newmark....	Dreamland.....	Anna Weisblatt
	Surg. Mate A. S. Newmark....	Dreamland.....	Leo Rood
	Surg. Mate A. S. Newmark....	Dreamland.....	Leo Malonis
	Surg. Mate A. S. Newmark....	Dreamland.....	Mrs. Jelkes
	Surg. Mate A. S. Newmark....	Dreamland.....	Ethel Levinsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Rolnick
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Goldstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Ruth Humphreys
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Schanes
	Surg. Mate A. S. Newmark....	Dreamland.....	Herman Liphita
	Surg. Mate A. S. Newmark....	Dreamland.....	Alex. Altman }
	Surg. Mate A. S. Newmark....	Dreamland.....	Morris Cancell
	4. Surg. Mate A. S. Newmark....	Dreamland.....	Mark Leon
	Surfman L. Emerson.....	Dreamland.....	D. Vicchore
	Jr. Lieut. E. Gross.....	Dreamland.....	Leon Leher
	Surfman L. Emerson.....	Dreamland.....	Agnes Murphy
	Surfman L. Emerson.....	Dreamland.....	M. Visberg
	5. Surfman Gerard.....	Dreamland.....	S. H. Davis
	9. Surg. Mate A. S. Newmark....	Dreamland.....	Becky Soefer
	10. Surg. Mate A. S. Newmark....	Dreamland.....	S. Lerner
	Surg. Mate A. S. Newmark....	Dreamland.....	Leo Lalloni
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Schwartz
	Surg. Mate A. S. Newmark....	Dreamland.....	Arthur Tottechalk
	Surg. Mate A. S. Newmark....	Dreamland.....	William Johnson
	Surg. Mate A. S. Newmark....	Dreamland.....	August Cadanese
	Surg. Mate A. S. Newmark....	Dreamland.....	Dora Nathanson
	Surg. Mate A. S. Newmark....	Dreamland.....	Becky Soefer
	Surg. Mate A. S. Newmark....	Dreamland.....	Abe Kavinaky
	Surg. Mate A. S. Newmark....	Dreamland.....	Oscar Cusara
	Surg. Mate A. S. Newmark....	Dreamland.....	Philipp Goldberger
	Surg. Mate A. S. Newmark....	Dreamland.....	Rosie Rosemaki
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Busstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Russo
	Surg. Mate A. S. Newmark....	Dreamland.....	Lena Weinberg
	Surg. Mate A. S. Newmark....	Dreamland.....	William Matthews
	12. Surg. Mate A. S. Newmark....	Dreamland.....	Isidor Schwartz
	Surg. Mate A. S. Newmark....	Dreamland.....	Morris Kaffer
	Surg. Mate A. S. Newmark....	Dreamland.....	Walter Treubart
	Surg. Mate A. S. Newmark....	Dreamland.....	Sidney Silodor
	Surg. Mate A. S. Newmark....	Dreamland.....	Morris Weiner
	16. Surfman G. Gerhard.....	Dreamland.....	H. Schierloh
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Sherman
	Surg. Mate A. S. Newmark....	Dreamland.....	George Blumenfeld
	Surg. Mate A. S. Newmark....	Dreamland.....	Sylvia Cohen
	Surg. Mate A. S. Newmark....	Dreamland.....	Isidore Goldstein
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Beck
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Cohen
	17. Jr. Lieut. John Gross.....	Dreamland.....	Dine Schvin
	Surfman H. Hageman.....	Dreamland.....	M. Laufer
	Surfman H. Hageman.....	Dreamland.....	Willie Dempsey
	Surfman Ed. Gross.....	Dreamland.....	Morris Kuff
	Surfman Gerhard.....	Dreamland.....	A. Goldman
	Captain W. J. Hotte.....	Dreamland.....	G. Cohen
	Captain W. G. Hotte.....	Dreamland.....	E. Blasier
	Surfman E. De Bres.....	Dreamland.....	G. J. Medino
	20. Surfman Gerhard.....	Dreamland.....	Miss Hart
	21. Surg. Mate A. S. Newmark....	Dreamland.....	Virginia Miller

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Date 1919	Members rendering " first aid "	Place where	Persons assisted
Aug.	23. Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Shapiro
	Surg. Mate A. S. Newmark....	Dreamland.....	Irving Levine
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Stein
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Perlman
	Surg. Mate A. S. Newmark....	Dreamland.....	Jennie Steinberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Eva Spector
	Surg. Mate A. S. Newmark....	Dreamland.....	Lillian Rafferty
	Surg. Mate A. S. Newmark....	Dreamland.....	Joseph Barovsky
	24. Surg. Mate A. S. Newmark....	Dreamland.....	Irving Berkowitz
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Lifkowitz
	Surg. Mate A. S. Newmark....	Dreamland.....	Bessie Kaufman
	Surg. Mate A. S. Newmark....	Dreamland.....	Jesse Cierang
	Surg. Mate A. S. Newmark....	Dreamland.....	Joseph Levine
	Surg. Mate A. S. Newmark....	Dreamland.....	Morris Beinham
	Surg. Mate A. S. Newmark....	Dreamland.....	David Blatt
	Surg. Mate A. S. Newmark....	Dreamland.....	Jacob Yudelowitz
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam Gidlin
	Surg. Mate A. S. Newmark....	Dreamland.....	Marie Kalinsky
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Fein
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Russell
	Surfman L. Emerson.....	Dreamland.....	L. Ampel
	Surg. Mate A. S. Newmark....	Dreamland.....	Morris Sicht
	Surfman L. Emerson.....	Dreamland.....	K. Licht
	Surfman L. Emerson.....	Dreamland.....	Phil Hager
	Surg. Mate A. S. Newmark....	Dreamland.....	Esther Brickman
	Surg. Mate A. S. Newmark....	Dreamland.....	Frank Fabrizio
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Sherman
	Surg. Mate A. S. Newmark....	Dreamland.....	Gilbert McGregor
	Surg. Mate A. S. Newmark....	Dreamland.....	Chas. Murray
	Surg. Mate A. S. Newmark....	Dreamland.....	Sam. Cohen
	Surg. Mate A. S. Newmark....	Dreamland.....	Mrs. C. Parkus
	Surg. Mate A. S. Newmark....	Dreamland.....	A. Casalo
	Surg. Mate A. S. Newmark....	Dreamland.....	Sarah Anshine
	Surg. Mate A. S. Newmark....	Dreamland.....	Miss Anna Coff
	Surg. Mate A. S. Newmark....	Dreamland.....	S. Berger
	Surg. Mate A. S. Newmark....	Dreamland.....	M. Kestlinger
	Surg. Mate A. S. Newmark....	Dreamland.....	L. Maskowitz
	Surg. Mate A. S. Newmark....	Dreamland.....	Max. Widelovita
	Surfman L. Emerson.....	Dreamland.....	P. Aiss
	Surg. Mate A. S. Newmark....	Dreamland.....	Miss Sarah Goldberg
	Surg. Mate A. S. Newmark....	Dreamland.....	J. Cheronaky
	Surfman L. Emerson.....	Dreamland.....	Abe Flagel
	Surfman L. Emerson.....	Dreamland.....	J. Rosen
	Surfman L. Emerson.....	Dreamland.....	P. Marks
	Surfman L. Emerson.....	Dreamland.....	S. Ackerson
	Surfman Gerhard.....	Dreamland.....	I. Ferguson
	Surfman E. DeBois.....	Dreamland.....	Gertrude Twinn
	Surfman Madon.....	Dreamland.....	Hurd Keifer
	Surfman Emerson.....	Dreamland.....	Eugene Kuhn
	Surg. Mate A. S. Newmark....	Dreamland.....	Fransine Fuocinardi
	Surg. Mate A. S. Newmark....	Dreamland.....	Milton Glatstein
	Surfman L. Emerson.....	Dreamland.....	H. Becker
	Surg. Mate A. S. Newmark....	Dreamland.....	Ether Katcher
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Adler
	Surg. Mate A. S. Newmark....	Dreamland.....	David Libin
	Surg. Mate A. S. Newmark....	Dreamland.....	Harry Maistein
	Surg. Mate A. S. Newmark....	Dreamland.....	Max Skolik
	Surg. Mate A. S. Newmark....	Dreamland.....	David Greenberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Robert Kaufman
	Surg. Mate A. S. Newmark....	Dreamland.....	Itsig Green

Date 1919	Members rendering " first aid	Place where	Persons assisted
Aug.	24. Surg. Mate A. S. Newmark....	Dreamland	Henry Horowitz
	Surg. Mate A. S. Newmark....	Dreamland	Jane Massin
	Surg. Mate A. S. Newmark....	Dreamland	Henry Hochhauser
	Surg. Mate A. S. Newmark....	Dreamland	Sevn Pollack
	Surg. Mate A. S. Newmark....	Dreamland	S. Jacobits
	Surg. Mate A. S. Newmark....	Dreamland	Mamie Schwarts
	Surfman L. Emerson.....	Dreamland	N. Schunbaun
	Surg. Mate A. S. Newmark....	Dreamland	Joe Graber
	Surg. Mate A. S. Newmark....	Dreamland	Wm. Engelman
	Surfman L. Emerson.....	Dreamland	H. Cohan
	Surfman L. Emerson.....	Dreamland	A. Fishenburg
	Surg. Mate A. S. Newmark....	Dreamland	L. Novack
	Surg. Mate A. S. Newmark....	Dreamland	Morris Moses
	Surg. Mate A. S. Newmark....	Dreamland	Abe Berkowitz
	Surg. Mate A. S. Newmark....	Dreamland	Alexander Itkin
	Surg. Mate A. S. Newmark....	Dreamland	Samuel Fein
	Surg. Mate A. S. Newmark....	Dreamland	J. Balder
	27. C. Schilling.....	Dreamland	Unknown
	31. Surg. Mate A. S. Newmark....	Dreamland	Jack Teitelbaum
	Surg. Mate A. S. Newmark....	Dreamland	Samuel Goldstein
	Surg. Mate A. S. Newmark....	Dreamland	Helen Streifer
	Captain H. Moller, Jr.....	Dreamland	Morris Oeder
	Surfman Gerhard.....	Dreamland	Ed Eichenhorn
	Surg. Mate A. S. Newmark....	Dreamland	Rosa Bialik
	Surg. Mate A. S. Newmark....	Dreamland	Fred Kafton
	Surg. Mate A. S. Newmark....	Dreamland	Chas. Aaron
	Surg. Mate A. S. Newmark....	Dreamland	Margaret Brown
	Surg. Mate A. S. Newmark....	Dreamland	Anthon Bude
	Surg. Mate A. S. Newmark....	Dreamland	Samuel Ackerson
	Surg. Mate A. S. Newmark....	Dreamland	Edward Fountain
	Surg. Mate A. S. Newmark....	Dreamland	Frank Van Ness
	Surg. Mate A. S. Newmark....	Dreamland	Solomon Hatkin
	Surg. Mate A. S. Newmark....	Dreamland	David Bernbaum
	Surg. Mate A. S. Newmark....	Dreamland	Sidney Rotchild
	Surg. Mate A. S. Newmark....	Dreamland	Solomon Fenichel
	Surg. Mate A. S. Newmark....	Dreamland	Abraham Rehack
Sept.	Surg. Mate A. S. Newmark....	Dreamland	Celia Sualac
	1. Surg. Mate A. S. Newmark....	Dreamland	Robert Sherbert
	Surg. Mate A. S. Newmark....	Dreamland	Samuel Zund
	Surg. Mate A. S. Newmark....	Dreamland	S. Andrews
	5. Surg. Mate A. S. Newmark....	Dreamland	Lillian Petry
	Surg. Mate A. S. Newmark....	Dreamland	William Pine
	Surg. Mate A. S. Newmark....	Dreamland	B. Tettin
	Captain H. Moeller, Jr.....	Dreamland	Beatrice Marks
	7. Surfman H. H. Hageman.....	Dreamland	David Bronberg
	Surfman Wm. Hotte.....	Dreamland	David Cohn
	Surg. Mate A. S. Newmark....	Dreamland	J. Shapiro
	Surg. Mate A. S. Newmark....	Dreamland	B. Goldsmith
	Surg. Mate A. S. Newmark....	Dreamland	Andrew Brown
	Surg. Mate A. S. Newmark....	Dreamland	Jacob Cherniek
	Surg. Mate A. S. Newmark....	Dreamland	Jacob Taub
	Surg. Mate A. S. Newmark....	Dreamland	Isidore Heller
	Surg. Mate A. S. Newmark....	Dreamland	Elisabeth Grimm
	Surg. Mate A. S. Newmark....	Dreamland	Racco Cancellari
	Surg. Mate A. S. Newmark....	Dreamland	Julius Eisenmeyer
	Surg. Mate A. S. Newmark....	Dreamland	Solomon Wittner
	Surg. Mate A. S. Newmark....	Dreamland	Isidor Qwickel
	Surg. Mate A. S. Newmark....	Dreamland	Tilly Susulak
	Surg. Mate A. S. Newmark....	Dreamland	Aaron Stein
	Surg. Mate A. S. Newmark....	Dreamland	Samuel Fliegelman

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Date 1919	Members rendering " first aid	Place where	Persons assisted
Sept.	7. Surg. Mate A. S. Newmark....	Dreamland.....	Al. Helmen
	Surg. Mate A. S. Newmark....	Dreamland.....	Louis Rosenberg
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Finklestein
	Surg. Mate A. S. Newmark....	Dreamland.....	Karl Noppe
	Surg. Mate A. S. Newmark....	Dreamland.....	Andrew Ounet
	Surg. Mate A. S. Newmark....	Dreamland.....	Phillip Marshopaky
	Surg. Mate A. S. Newmark....	Dreamland.....	Abraham Broser
	Surg. Mate A. S. Newmark....	Dreamland.....	Dora Benowitz
	Surg. Mate A. S. Newmark....	Dreamland.....	Joseph Padalina
	8. Surfman Wm. Christopher.....	Dreamland.....	Wm. Marks
	10. Surfman J. Hageman.....	Dreamland.....	Joseph Helmany
	Surfman W. Hotte.....	Dreamland.....	Anna Adler
	Surfman E. DeBois.....	Dreamland.....	William Vietol
	Surfman E. DeBois.....	Dreamland.....	Julius Goldstein
	13. Surg. Mate A. S. Newmark....	Dreamland.....	Bernhardt Baumann
	17. Surg. Mate A. S. Newmark....	Dreamland.....	Stanley Mullins
Aug.	21. A. Gans.....	Parkway.....	Mrs. Annie Beam
	22. Dr. P. Lehman.....	Parkway.....	Dick Teitel
	23. J. Gans.....	Parkway.....	E. Saporta
	Louis Barndis.....	Parkway.....	John Marks
	A. Gans.....	Parkway.....	Mik Fann
	A. Gans.....	Parkway.....	D. Shear
	A. Gans.....	Parkway.....	S. Milstein
	Dr. P. Lehman.....	Parkway.....	Jos. Leibowitz
	24. Dr. P. Lehman.....	Parkway.....	H. Spenrad
	Louis Bomotor.....	Parkway.....	Meyer Jonas
	Louis Bomotor.....	Parkway.....	Martin Waloh
	Louis Bomotor.....	Parkway.....	M. Rubenstein
	Dr. Lehman.....	Parkway.....	Milton Carchus
	Jerry Borde.....	Parkway.....	Annie Finiatsu
	M. F. Staub.....	Parkway.....	Marton Berk
	28. A. Gans.....	Parkway.....	Chas. Cohen
	J. Gans.....	Parkway.....	Joseph Cohen
	31. Bourden.....	Parkway.....	Bertha Cohen
	W. F. Bourden.....	Parkway.....	B. Leubeck
	W. F. Bourden.....	Parkway.....	Maurice Seale
	Dr. Lehmon.....	Parkway.....	P. Henshel
	L. Bourden.....	Parkway.....	Lorence Polan
	J. Gans.....	Parkway.....	F. Fingerer
	J. Borden.....	Parkway.....	A. Marcus
Sept.	1. Louis Levinson.....	Parkway.....	Louis Tonkin
	Surfman Sam Slatkon.....	Parkway.....	George Weekster
	6. Surfman Tom Reder.....	Parkway.....	H. Cohen
	7. Surfman J. Gans.....	Parkway.....	Sidney Kusher
	Surgeon Mate Jerry Borden....	Parkway.....	L. Leibois
	Surfman J. Gans.....	Parkway.....	Jacob Cohen
	Surfman Murray Romer.....	Parkway.....	Paul Broderick
	Jr. Lieut. H. Sabine.....	Parkway.....	Joe Eisenberg
	Surfman Sam Slatkur.....	Parkway.....	J. Bunstein
	Dr. Lehman.....	Parkway.....	W. Areton
	Surfman S. J. Hanson.....	Parkway.....	Richard Turner
	Dr. Lehman.....	Parkway.....	M. Reiser
	8. J. Sherman.....	Parkway.....	Peggy Cremminio
	J. Sherman.....	Parkway.....	Phil. Kolb
	M. Staub.....	Parkway.....	Eve Jaffery
June	M. Staub.....	Parkway.....	D. Schwartz
	1. Captain Wm. A. Haynis.....	Washington Baths.....	Milton Ames
	2. Surfman Wm. Coogan.....	Washington Baths.....	Unknown
	13. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	Sam Delmont
	15. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	S. Weinstock

Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	15. Captain Wm. A. Haynia.....	Washington Baths.....	Al Levy
	16. Captain Wm. A. Haynia.....	Washington Baths.....	N. Herbert
	22. Captain Wm. A. Haynia.....	Washington Baths.....	Robert Kaneco
	Captain Wm. A. Haynia.....	Washington Baths.....	Gus Heischer & J
	23. Captain Wm. A. Haynia.....	Washington Baths.....	James Brown t
	Captain Wm. A. Haynia.....	Washington Baths.....	Moe Rosenthal
	Captain Wm. A. Haynia.....	Washington Baths.....	Herman Schuelter
	24. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	Joe Brown
	24. Captain Wm. A. Haynia.....	Washington Baths.....	Geo. Gar
	25. Captain Wm. A. Haynia.....	Washington Baths.....	L. Spong
	Captain Wm. A. Haynia.....	Washington Baths.....	A. Goldberg
	Captain Wm. A. Haynia.....	Washington Baths.....	Mrs. Riddle
	Captain Wm. A. Haynia.....	Washington Baths.....	Herman Wolkowits
	30. Captain Wm. A. Haynia.....	Washington Baths.....	Agnes Rooney
July	1. Captain Wm. A. Haynia.....	Washington Baths.....	Sam Licht
	Captain Wm. A. Haynia.....	Washington Baths.....	Isador Feldman
	Captain Wm. A. Haynia.....	Washington Baths.....	Meyer Materow
	Captain Wm. A. Haynia.....	Washington Baths.....	S. Pollack
	2. Captain Wm. A. Haynia.....	Washington Baths.....	I. Hochesser
	4. Captain Wm. A. Haynia.....	Washington Baths.....	William Cohen
	Captain Wm. A. Haynia.....	Washington Baths.....	Frank Maehenser
	Captain Wm. A. Haynia.....	Washington Baths.....	Eddie Wells
	Captain Wm. A. Haynia.....	Washington Baths.....	H. Rubin
	Captain Wm. A. Haynia.....	Washington Baths.....	Herbert Farber
	5. Captain Wm. A. Haynia.....	Washington Baths.....	Frank Bottimi
	Captain Wm. A. Haynia.....	Washington Baths.....	John Faldon
	Captain Wm. A. Haynia.....	Washington Baths.....	Nathan Straus
	Captain Wm. A. Haynia.....	Washington Baths.....	Benjamin Stark
	6. Captain Wm. A. Stark.....	Washington Baths.....	F. Smith
	Surfman Wm. Coogan.....	Washington Baths.....	Morris Silverstein
	7. Captain Wm. A. Haynia.....	Washington Baths.....	Sol Zibraski
	Captain Wm. A. Haynia.....	Washington Baths.....	Mrs. Rosak
	8. Captain Wm. A. Haynia.....	Washington Baths.....	A. Fishman
	9. Captain Wm. A. Haynia.....	Washington Baths.....	John Lewison
	10. Captain Wm. A. Haynia.....	Washington Baths.....	Chas. Johnston
	12. Captain Wm. A. Haynia.....	Washington Baths.....	Stanley Friedman
	15. Captain Wm. A. Haynia.....	Washington Baths.....	Nellie Rogers
	Captain Wm. A. Haynia.....	Washington Baths.....	Frank Nelson
	16. Surfman John Dalgrasie.....	Washington Baths.....	John Henry
	20. Captain Wm. A. Haynia.....	Washington Baths.....	E. Goldman
	24. Captain Wm. A. Haynia.....	Washington Baths.....	Abe Fiseman
	26. Surfman John Dalgrasie.....	Washington Baths.....	Louis Dilliwitz
	Captain Wm. A. Haynia.....	Washington Baths.....	Max. Gold
	Captain Wm. A. Haynia.....	Washington Baths.....	Sadie Miller
	Captain Wm. A. Haynia.....	Washington Baths.....	Harry Goldstein
	Surfman Wm. Coogan.....	Washington Baths.....	John Mooney
	Captain Wm. A. Haynia.....	Washington Baths.....	Sigmond Dallis
	Captain Wm. A. Haynia.....	Washington Baths.....	Geo. Solomon
	27. Captain Wm. A. Haynia.....	Washington Baths.....	Fred Sandre
	28. Captain Wm. A. Haynia.....	Washington Baths.....	James Smith
	29. Captain Wm. A. Haynia.....	Washington Baths.....	Wm. Carr
	30. Captain Wm. A. Haynia.....	Washington Baths.....	Chas. Rooney
Aug.	Surfman Wm. Coogan.....	Washington Baths.....	Chas. Brown
	1. Surfman John Dalgrasie.....	Washington Baths.....	Ike Cohen
	2. Captain Wm. A. Haynia.....	Washington Baths.....	Joe Bohen
	Wm. Coogan.....	Washington Baths.....	Geo. Wagner
	3. Surfman M. Fannocho.....	Washington Baths.....	James Snyder
	Surfman Ed Lee.....	Washington Baths.....	F. Russo
	Surfman Ed Lee.....	Washington Baths.....	O. Nagle
		Washington Baths.....	F. Friechman

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Date 1919	Members rendering " first aid "	Place where	Persons assisted
Aug.	3. Captain Wm. A. Haynia.....	Washington Baths.....	A. Solomon
	Captain Wm. A. Haynia.....	Washington Baths.....	May Goodman
	Surfman Adam Bossett.....	Washington Baths.....	Alice Hagerman
	Surfman James Homes.....	Washington Baths.....	Thos. Cooper
	Sr. Lieut. Wm. Coogan.....	Washington Baths.....	M. Coloman
	Surfman C. Herman.....	Washington Baths.....	Frank Carleton
	Surfman John Delgrasio.....	Washington Baths.....	Chas. Johnston
	Surfman Chas. Kats.....	Washington Baths.....	Max. Krager
	Surfman Chas. Kats.....	Washington Baths.....	Katie Goldberg
	Surfman Chas. Kats.....	Washington Baths.....	Frank A. Klein
	4. Captain Wm. A. Haynia.....	Washington Baths.....	Mable Haight
	Surfman John Delgrasio.....	Washington Baths.....	Kate Cooney
	12. Surfman Wm. Coogan.....	Washington Baths.....	Wm. A. Haynia
	17. Captain Wm. A. Haynia.....	Washington Baths.....	Chas. Craig
	Sr. Lieut. Wm. Coogan.....	Washington Baths.....	Sam Eastman
	Surfman John Delgrasio.....	Washington Baths.....	Thos. Woods
	18. Surfman John Delgrasio.....	Washington Baths.....	A. H. Stein
	19. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	Wm. Greenberg
	20. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	F. Freemanberg
	21. Captain Wm. A. Haynia.....	Washington Baths.....	S. Simon
	22. Captain Wm. A. Haynia.....	Washington Baths.....	B. Cohan
	23. Surfman John Delgrasio.....	Washington Baths.....	Jacob Kats
	24. Sr. Lieut. Wm. Coogan.....	Washington Baths.....	Wm. O'Brien
	Captain Wm. A. Haynia.....	Washington Baths.....	Frank Koegh
	Captain Wm. A. Haynia.....	Washington Baths.....	Joe Kaplin
	Captain Wm. A. Haynia.....	Washington Baths.....	John Monks
	Captain Wm. A. Haynia.....	Washington Baths.....	F. Kaplin
	Captain Wm. A. Haynia.....	Washington Baths.....	R. Rubenberg
	Surfman John Delgrasio.....	Washington Baths.....	Wm. Kinslow
May	25. Surfman John Delgrasio.....	Washington Baths.....	I. Jacobs
	Sr. Lieut. Wm. Coogan.....	Washington Baths.....	A. H. Stein
	Captain Wm. A. Haynia.....	Washington Baths.....	A. H. Berger
	Captain Wm. A. Haynia.....	Washington Baths.....	J. Breslow
	28. Surfman Billy Acker.....	Sheepshead Bay Point.....	George Hughes
	29. Surfman J. M. Costello.....	Sheepshead Bay Point.....	Wm. Vincent
	30. Surfman E. Bakewell.....	Sheepshead Bay Point.....	Donald Stevenson
	Surfman E. Bakewell.....	Sheepshead Bay Point.....	Edward Delaney
	Sr. Lieut. Carney.....	Sheepshead Bay Point.....	Louis Weison
	31. Surfman Billy Acker.....	Sheepshead Bay Point.....	S. Parsons
June	21. Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	John Mason
	25. Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	Louis Trombetta
	29. Sr. Lieut. Carney.....	Sheepshead Bay Point.....	C. O. Larson
	Surfman Helfrich.....	Sheepshead Bay Point.....	F. Clason
	Surfman Jas. Albert.....	Sheepshead Bay Point.....	Jack Defren
	1. Sr. Lieut. Jas. Carney.....	Sheepshead Bay Point.....	John Sullivan
July	Sr. Lieut. Jas. Carney.....	Sheepshead Bay Point.....	Edward Hansen
	Surg. Mate Edw. Guillet.....	Sheepshead Bay Point.....	Frank Seltman
	4. Surfman Helfrich.....	Sheepshead Bay Point.....	A. D. Chadbourne
	Surfman J. Albert.....	Sheepshead Bay Point.....	Lawson VanCoot
	Surfman Helfrich.....	Sheepshead Bay Point.....	W. F. Rutter
	5. Surfman E. J. Pearson.....	Sheepshead Bay Point.....	Charles Brown
	6. Surg. Mate Edw. Guillet.....	Sheepshead Bay Point.....	Edw. Zitsman
	Surfman Helfrich.....	Sheepshead Bay Point.....	F. Kolle, Jr.
	Surfman Geo. P. Hall.....	Sheepshead Bay Point.....	D. Cuppa
	Surg. Mate Edw. Guillet.....	Sheepshead Bay Point.....	Jas. Petti
	Surfman Billy Acker.....	Sheepshead Bay Point.....	John Hawley
	13. Surfman Billy Acker.....	Sheepshead Bay Point.....	G. Oinddus
	Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	John Mahoney
	Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	Harold Bruce
	17. Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	Betty Brown

Date 1919	Members rendering " first aid "	Place where	Persons assisted
July	25. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Jas. Sullivan
	26. Captain Scully.....	Sheepshead Bay Point.	William VanPelt
	27. Surfman Jas. Albert.....	Sheepshead Bay Point.	Louise Busch
	Captain Scully.....	Sheepshead Bay Point.	Joe Sandig
	Sr. Lieut. Carney.....		
	Surfman Billy Acker.....		
	Surfman C. J. Pearson.....		
	30. Surg. Mate Edw. Guillet.....	Sheepshead Bay Point.	R. Hersten
	Surg. Mate Edw. Guillet.....	Sheepshead Bay Point.	Jane Norton
	Aug. 2. Surfman A. Beck.....	Sheepshead Bay Point.	W. H. Sloat
Sept.	3. Boatwain Thos. Acker.....	Sheepshead Bay Point.	John Bettinger
	6. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	F. Flügge
	Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Alex Comerford
	Surg. Mate E. Guillet.....	Sheepshead Bay Point.	John Hayes
	7. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	A. Fruchthandler
	9. Surfman Hoagan.....	Sheepshead Bay Point.	C. Humbert
	10. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Frank Newfield
	Surfman C. J. Pearson.....	Sheepshead Bay Point.	Louis H. —
	Surfman C. J. Pearson.....	Sheepshead Bay Point.	C. King
	12. Surfman Billy Acker.....	Sheepshead Bay Point.	Sam Rudden
	Sr. Lieut. Carney.....	Sheepshead Bay Point.	S. Dilgen
	Sr. Lieut. Carney.....	Sheepshead Bay Point.	Fred Barnswold
	Sr. Lieut. Carney.....	Sheepshead Bay Point.	Clifford Strong
	24. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Chas. Heinrich
	1. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Seymour Brown
	Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Chas. Noonan
	2. J. Cunningham.....	Sheepshead Bay Point.	Jenkins
	10. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Raymond Harten
	13. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Jas. Freeman
	24. Sr. Lieut. Carney.....	Sheepshead Bay Point.	Wilbur Wonters
	Sr. Lieut. Carney.....	Sheepshead Bay Point.	John Pillella
	Sr. Lieut. Carney.....	Sheepshead Bay Point.	Richard Lynster
	Captain Scully.....	Sheepshead Bay Point.	Helen Miller
	Surfman Berk.....	Sheepshead Bay Point.	Wm. McGraw
June	25. Surfman Helbrich.....	Sheepshead Bay Point.	F. Kanich
	J. Cunningham.....	Sheepshead Bay Point.	William Acker
	28. Captain Scully.....	Sheepshead Bay Point.	W. Wolbock
	31. Surg. Mate E. Guillet.....	Sheepshead Bay Point.	Armour Salley
	12. Surfman Frank McLoughlin...	Thalls.....	Unknown
	14. Surfman Alvin B. Lakin.....	Thalls.....	Donald J. Lowits
	Surfman Alvin B. Lakin.....	Thalls.....	Unknown
	22. Surg. Mate Robt. M. Melville..	Thalls.....	John Martin
	29. Captain Robt. M. Melville..	Thalls.....	S. Hasner
	30. Coxswain F. McLoughlin.....	Thalls.....	F. H. Palmer
July	Coxswain F. McLoughlin.....	Thalls.....	J. Hallick
	4. Coxswain F. McLoughlin.....	Thalls.....	Fred Thall, Jr.
	Surg. Mate A. J. Woodhouse...	Thalls.....	J. Carroll
	Surg. Mate A. J. Woodhouse...	Thalls.....	J. Sinnott
	Surg. Mate A. J. Woodhouse...	Thalls.....	Charles Rockmore
	5. Surg. Mate A. J. Woodhouse...	Thalls.....	George Gamina
	Captina Robert M. Melville....	Thalls.....	C. H. Lohr, Jr.
	Captain Robert M. Melville....	Thalls.....	Roy Nelson
	Captain Robert M. Melville....	Thalls.....	Marjory S. Beils
	6. Captain Robert M. Melville....	Thalls.....	W. Schwarze
	Surfman H. Shenton.....	Thalls.....	Elliott Sess
	7. Surfman Wm. F. Nilsson.....	Thalls.....	John Sheehan
	8. Surfman Wm. F. Nilsson.....	Thalls.....	M. O'Brien
	Surfman Wm. F. Nilsson.....	Thalls.....	Chas. Buckley
	Surfman Wm. F. Nilsson.....	Thalls.....	Arthur Hoffman
	Surg. Mate A. J. Woodhouse...	Thalls.....	Wm. Finnegan

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Date 1919	Members rendering " first aid "	Place where	Persons assisted
July	11. Captain Robert M. Melville....	Thalls.....	Miriam Gray
	12. Surfman L. Schaumann.....	Thalls.....	C. Christian
	13. Captain Robert M. Melville....	Thalls.....	Joseph Slehlir
	14. Captain Robert M. Melville....	Thalls.....	Thos. Francis
	26. Surfman W. F. Nilsson.....	Thalls.....	John Clark
	27. Jr. Lieut. C. Schaumann.....	Thalls.....	Jack Sievers
	Surfman Wm. Nilsson.....	Thalls.....	Frank Talbot
Aug.	Surg. Mate A. J. Woodhouse....	Thalls.....	Beatrice Thall
	1. Surg. Mate A. J. Woodhouse....	Thalls.....	M. S. Beil
	2. Jr. Lieut. C. Schaumann.....	Thalls.....	L. Grossman
	3. H. A. Wharmby.....	Thalls.....	Ralph Mahler
	4. Capain Robert M. Melville....	Thalls.....	Elmer Bakewell
	10. H. A. Wharmby.....	Thalls.....	Alfred Michal
	17. Surg. Mate L. Herrera.....	Thalls.....	J. Wedaley
	22. Surg. Mate L. Herrera.....	Thalls.....	Thos. Ruder
	23. Captain Robert M. Melville....	Thalls.....	Mrs. F. H. Palmer
	Surg. Mate A. J. Woodhouse....	Thalls.....	Mrs. Geo. Maywood
	24. Captain Robert M. Melville....	Thalls.....	Edward Casey
	Surg. Mate L. Herera.....	Thalls.....	Miss L. Grew
	Captain Robert M. Melville....	Thalls.....	Clarence McGraw
	Captain Robert M. Melville....	Thalls.....	Virginia Palmer
	25. Captain Robert M. Melville....	Thalls.....	Andrew Collins
	28. Captain Robert M. Melville....	Thalls.....	Helen Osborne
Sept.	31. Surfman L. Schaumann.....	Thalls.....	John J. Whalen
	Captain Robert M. Melville....	Thalls.....	Allan Thall
	Captain Robert M. Melville....	Thalls.....	Theodore Hentse
	1. W. Nilsson.....	Thalls.....	Lester Hillman
	6. Captain Robert M. Melville....	Thalls.....	Charles Lohr
	14. Captain Robert M. Melville....	Thalls.....	Wm. Carols
	15. Boatswain Lingold.....	Goulds Station.....	Walter Rurode
April	16. Boatswain Lingold.....	Goulds Station.....	Albert Fisher
	Boatswain Lingold.....	Goulds Station.....	Thomas Norton
	17. Surg. Mate Herrera.....	Goulds Station.....	J. Wedaley
	20. Boatswain Lingold.....	Goulds Station.....	Wm. F. Myers
	15. Captain Henry A. Brown.....	Gravesend.....	George Miller
	Captain Henry A. Brown.....	Gravesend.....	Chas. Lindborg
	16. Captain Henry A. Brown.....	Gravesend.....	Fred. Ebert
	17. Captain Henry A. Brown.....	Gravesend.....	Irwin Emerson
	Captain Henry A. Brown.....	Gravesend.....	Adam Morris
	20. Captain Henry A. Brown.....	Gravesend.....	Chas. Turner
	Captain Henry A. Brown.....	Gravesend.....	E. Roper
	21. Captain Henry A. Brown.....	Gravesend.....	Henry Fisher
	Surfman Chas. Termini.....	Gravesend.....	Erik. Nelson
	24. Surfman Chas. Termini.....	Gravesend.....	James Murphy
	Captain Henry A. Brown.....	Gravesend.....	Chas. Lindborg
	Captain Henry A. Brown.....	Gravesend.....	Geo. Miller
	26. Captain Henry A. Brown.....	Gravesend.....	Chas. Termini
	Captain Henry A. Brown.....	Gravesend.....	Kate Blank
	Surfman Chas. Termini.....	Gravesend.....	Adalf Giani
	27. Surfman Chas. Termini.....	Gravesend.....	Joseph Galla
	Surfman Chas. Termini.....	Gravesend.....	Tony Russa
	28. Captain Henry A. Brown.....	Gravesend.....	Hans Haas
	Surfman Chas. Termini.....	Gravesend.....	Henry Brown
	29. Captain Henry A. Brown.....	Gravesend.....	Sim Hughes
	Captain Henry A. Brown.....	Gravesend.....	Edward Johnson
	Captain Henry A. Brown.....	Gravesend.....	Adam Morris
	30. Surfman Chas. Termini.....	Gravesend.....	Salvatore Russo
	Surfman Joe Laarich.....	Gravesend.....	Hans Haas
	Captain Henry A. Brown.....	Gravesend.....	Fred. Williams
	Surfman Chas. Termini.....	Gravesend.....	Ralph Balsano

Date 1919	Members rendering "first aid"	Place where	Persons assisted
May	2. Captain Henry A. Brown.....	Gravesend.....	Hans Haas
	4. Surfman Joe Lasrich.....	Gravesend.....	Aug. Kasaw
	Surfman Joe Lasrich.....	Gravesend.....	Herm. Voller
	5. Surfman Joe Lasrich.....	Gravesend.....	Wm. Somer
	8. Surfman Joe Lasrich.....	Gravesend.....	Geo. Klein
	8. Surfman Joe Lasrich.....	Gravesend.....	Chas. Hiller
	10. Surfman Joe Lasrich.....	Gravesend.....	Henry Bachman
	Surfman Joe Lasrich.....	Gravesend.....	Paul Fischer
	12. Surfman Joe Lasrich.....	Gravesend.....	Aug. Kasan
	13. Surfman Joe Lasrich.....	Gravesend.....	Chas. Hiller
	14. Surfman Joe Lasrich.....	Gravesend.....	Geo. Klein
	Surfman Joe Lasrich.....	Gravesend.....	Unknown
	Captain Henry A. Brown.....	Gravesend.....	Sam Wolfe
	Captain Henry A. Brown.....	Gravesend.....	Chas. Rosenberg
	17. Captain Henry A. Brown.....	Gravesend.....	Elwood Snedeker
	Captain Henry A. Brown.....	Gravesend.....	Ellen Maackel
	18. Captain Henry A. Brown.....	Gravesend.....	Tom Randazzo
	19. Captain Henry A. Brown.....	Gravesend.....	Olaf Lindberg
	Captain Henry A. Brown.....	Gravesend.....	Sam. Rosinky
	Captain Henry A. Brown.....	Gravesend.....	Al. Levinsky
	20. Captain Henry A. Brown.....	Gravesend.....	John Riemann
	Surfman Joe Lasrich.....	Gravesend.....	Frank Pastula
	22. Captain Henry A. Brown.....	Gravesend.....	Geo. Miller
	23. Captain Henry A. Brown.....	Gravesend.....	Sam. Cardinale
	Surfman Joe Lasrich.....	Gravesend.....	Antonio Lambardi
	24. Surfman Geo. Miller.....	Gravesend.....	Jas. Cardinal
	Surfman Geo. Miller.....	Gravesend.....	Henry A. Brown
	Captain Henry A. Brown.....	Gravesend.....	Fred Schaller
	Captain Henry A. Brown.....	Gravesend.....	Al. Cosby
	25. Captain Henry A. Brown.....	Gravesend.....	Louis Knittle
	Captain Henry A. Brown.....	Gravesend.....	Herbert Thompson
	Captain Henry A. Brown.....	Gravesend.....	Ray Flemming
	Captain Henry A. Brown.....	Gravesend.....	Henry Graf
	Captain Henry A. Brown.....	Gravesend.....	Sal Draganetti
	Captain Henry A. Brown.....	Gravesend.....	Louis Olson
	Captain Henry A. Brown.....	Gravesend.....	Wm. Hansler
	Captain Henry A. Brown.....	Gravesend.....	Paul Smits
	Captain Henry A. Brown.....	Gravesend.....	Fred Alex
	Captain Henry A. Brown.....	Gravesend.....	Wm. Lenard
	Captain Henry A. Brown.....	Gravesend.....	Paul Dorfner
	Captain Henry A. Brown.....	Gravesend.....	Thomas Boale
	Captain Henry A. Brown.....	Gravesend.....	Jerry Burns
	28. Captain Henry A. Brown.....	Gravesend.....	Gus Roseman
	29. Captain Henry A. Brown.....	Gravesend.....	Silvia Delucci
	Captain Henry A. Brown.....	Gravesend.....	John McCarthy
	30. Captain Henry A. Brown.....	Gravesend.....	Gerard Bruno
	Captain Henry A. Brown.....	Gravesend.....	John Zastula
	Captain Henry A. Brown.....	Gravesend.....	Elwood Snedeker
	31. Captain Henry A. Brown.....	Gravesend.....	L. Russo
	Surfman Jas. Lasrich.....	Gravesend.....	Wm. Reineke
	Surfman Jas. Lasrich.....	Gravesend.....	Gus. Holmquist
June	2. Captain Henry A. Brown.....	Gravesend.....	Adam Morris
	3. Surfman Jas. Lasrich.....	Gravesend.....	John Lessmann
	Surfman Jas. Lasrich.....	Gravesend.....	Aug. Kasan
	4. Surfman Jas. Lasrich.....	Gravesend.....	John Klein
	Surfman Jas. Lasrich.....	Gravesend.....	Hans Haas
	Surfman Jas. Lasrich.....	Gravesend.....	Hans Fisher
	5. Surfman Jas. Lasrich.....	Gravesend.....	Gus. Sommer
	Surfman Jas. Lasrich.....	Gravesend.....	Robert Van Ripen
	6. Surfman Jas. Lasrich.....	Gravesend.....	Richard Bachman

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Date 1919	Members rendering " first aid "	Place where	Persons assisted
June	6. Surfman Jas. Laarich.....	Gravesend.....	Jeanne Ade
	7. Surfman Jas. Laarich.....	Gravesend.....	Mary Rosenthal
	Surfman Jas. Laarich.....	Gravesend.....	John Hiller
	Surfman Jas. Laarich.....	Gravesend.....	Helen Furo
	Surfman Jas. Laarich.....	Gravesend.....	Aug. Kasan
	Surfman Jas. Laarich.....	Gravesend.....	John Klein
	Surfman Jas. Laarich.....	Gravesend.....	John Pastula
	8. Surfman Jas. Laarich.....	Gravesend.....	Unknown man
	Surfman Jas. Laarich.....	Gravesend.....	Geo. Burns
	Surfman Jas. Laarich.....	Gravesend.....	Thomas Boyle
	Surfman Jas. Laarich.....	Gravesend.....	John Miller
	Captain Henry A. Brown.....	Gravesend.....	John Crossing
	Captain Henry A. Brown.....	Gravesend.....	Tony Famlard
	Captain Henry A. Brown.....	Gravesend.....	Willie Muro
	Captain Henry A. Brown.....	Gravesend.....	Otto Meuguth
	Captain Henry A. Brown.....	Gravesend.....	Ed. Hogan
	Captain Henry A. Brown.....	Gravesend.....	Wilbur Keating
	9. Captain Henry A. Brown.....	Gravesend.....	Sam Stanley
	Captain Henry A. Brown.....	Gravesend.....	Joe Mark
	Captain Henry A. Brown.....	Gravesend.....	Jas. di Betta
	10. Captain Henry A. Brown.....	Gravesend.....	Louis Baser
	Captain Henry A. Brown.....	Gravesend.....	Joe Tobin
	12. Captain Henry A. Brown.....	Gravesend.....	Joe Rocco
	Captain Henry A. Brown.....	Gravesend.....	Ed. McManus
	Surfman Sam Cardinale.....	Gravesend.....	Wm. Greeves
	14. Surfman Sam Cardinale.....	Gravesend.....	Jas. Casero
	Captain Henry A. Brown.....	Gravesend.....	Wm. Kenney
	Captain Henry A. Brown.....	Gravesend.....	Tony Baker
	Captain Henry A. Brown.....	Gravesend.....	Chas. Anderson
	Surfman Jas. Laarich.....	Gravesend.....	Geo. Weissenhaff
	15. Surfman Jas. Laarich.....	Gravesend.....	Ed. Frishman
	Captain Henry A. Brown.....	Gravesend.....	Howard Baker
	Captain Henry A. Brown.....	Gravesend.....	Geo. Steffens
	Captain Henry A. Brown.....	Gravesend.....	Frank Cox
	Captain Henry A. Brown.....	Gravesend.....	Fred Stehle
	Surfman Jas. Laarich.....	Gravesend.....	Mrs. Russell
	Surfman Jas. Laarich.....	Gravesend.....	Geo. Hall
	Captain Henry A. Brown.....	Gravesend.....	Edward Parker
	Surg. Mate Hans Haas.....	Gravesend.....	Harry Ames
	Surg. Mate Hans Haas.....	Gravesend.....	M. Assanti
	Surg. Mate Hans Haas.....	Gravesend.....	Jas. Bardana
	Surg. Mate Hans Haas.....	Gravesend.....	Aug. Peterson
	Surg. Mate Hans Haas.....	Gravesend.....	Herman Falger
	Surg. Mate Hans Haas.....	Gravesend.....	Andrew Holm
	Captain Henry A. Brown.....	Gravesend.....	Miss Annie Whalen
	Surfman Geo. Miller.....	Gravesend.....	Thomas Amata
	15. Surfman Geo. Miller.....	Gravesend.....	Jas. Tarantala
	Surfman Geo. Miller.....	Gravesend.....	Miss Gertrude Sims
	Captain Henry A. Brown.....	Gravesend.....	Chas. Lindberg
	16. Captain Henry A. Brown.....	Gravesend.....	James Kelly
	Surfman Geo. Miller.....	Gravesend.....	Paul Renner
	17. Surfman Geo. Miller.....	Gravesend.....	Howard Mahler
	Surfman Geo. Miller.....	Gravesend.....	Toni Scarona
	Surfman Geo. Miller.....	Gravesend.....	Anthony Lambarde
	Surfman Geo. Miller.....	Gravesend.....	H. F. Ennen
	Surfman Geo. Miller.....	Gravesend.....	Delphy Lemon
	Surfman Geo. Miller.....	Gravesend.....	James Barmen
	18. Surfman Jas. Laarich.....	Gravesend.....	John Lapp
	18. Captain Henry A. Brown.....	Gravesend.....	Miss Nellie Stilt
	Captain Henry A. Brown.....	Gravesend.....	Miss Bertha Beecher

Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	18. Captain Henry A. Brown.....	Gravesend.....	Richard Warner
	Captain Henry A. Brown.....	Gravesend.....	Paul Behrens
	Captain Henry A. Brown.....	Gravesend.....	Ed. Lawson
	Captain Henry A. Brown.....	Gravesend.....	John Clayton
	Captain Henry A. Brown.....	Gravesend.....	Chas. Downing
	Captain Henry A. Brown.....	Gravesend.....	Henry Page
	Captain Henry A. Brown.....	Gravesend.....	Alice Seabrook
	Captain Henry A. Brown.....	Gravesend.....	Martin Hurd
	Captain Henry A. Brown.....	Gravesend.....	Emil Loder
	20. Captain Henry A. Brown.....	Gravesend.....	Louis Goodman
	Captain Henry A. Brown.....	Gravesend.....	Wm. Davison
	Captain Henry A. Brown.....	Gravesend.....	Martin Hoffman
	Captain Henry A. Brown.....	Gravesend.....	Ernest Kaser
	Captain Henry A. Brown.....	Gravesend.....	Benno Welch
	Captain Henry A. Brown.....	Gravesend.....	Fred Clinton
	Captain Henry A. Brown.....	Gravesend.....	Victor Guthrie
	Captain Henry A. Brown.....	Gravesend.....	Herman Hatfield
	21. Captain Henry A. Brown.....	Gravesend.....	Fred Hicks
	Captain Henry A. Brown.....	Gravesend.....	Otto Clark
	Captain Henry A. Brown.....	Gravesend.....	Albert Rehwinkel
	Captain Henry A. Brown.....	Gravesend.....	Bernhard Wright
	Captain Henry A. Brown.....	Gravesend.....	Herbert Moses
	Captain Henry A. Brown.....	Gravesend.....	James Price
	Captain Henry A. Brown.....	Gravesend.....	Miss Blanche Geary
	Captain Henry A. Brown.....	Gravesend.....	Geo. Landers
	Captain Henry A. Brown.....	Gravesend.....	Irving Fisher
	Captain Henry A. Brown.....	Gravesend.....	Thomas Hyde
	Captain Henry A. Brown.....	Gravesend.....	David Schwab
	Captain Henry A. Brown.....	Gravesend.....	Richard Holmes
	Captain Henry A. Brown.....	Gravesend.....	Wm. Ludlow
	Surfman Geo. Miller.....	Gravesend.....	Edward Stevens
	22. Surfman Jas. Lasrich.....	Gravesend.....	Gus. Hanson
	Surfman Jas. Lasrich.....	Gravesend.....	Wm. Dunton
	Surfman Jas. Lasrich.....	Gravesend.....	Ed. Bowen
	Surfman Jas. Lasrich.....	Gravesend.....	Eugene Cohn
	Surfman Geo. Miller.....	Gravesend.....	Chas. Reedem
	Surfman Geo. Miller.....	Gravesend.....	William Karth
	Surfman Jas. Lasrich.....	Gravesend.....	Vincent Lombardo
	Surfman Geo. Miller.....	Gravesend.....	Joseph Delano
	Surfman Geo. Miller.....	Gravesend.....	Philip Mahon
	Surfman Jas. Lasrich.....	Gravesend.....	David Macdonald
	Captain Henry A. Brown.....	Gravesend.....	Walter Dierring
	Captain Henry A. Brown.....	Gravesend.....	John Dodson
	Captain Henry A. Brown.....	Gravesend.....	Paul Simon
	Captain Henry A. Brown.....	Gravesend.....	Mary Collins
	Surfman Jas. Lasrich.....	Gravesend.....	Miss E. Garland
	Captain Henry A. Brown.....	Gravesend.....	Harry Briggs
	Captain Henry A. Brown.....	Gravesend.....	Irving Bishop
	Captain Henry A. Brown.....	Gravesend.....	John Dibert
	Captain Henry A. Brown.....	Gravesend.....	Geo. Barton
	Captain Henry A. Brown.....	Gravesend.....	Michael Clow
	Captain Henry A. Brown.....	Gravesend.....	James Sharp
	Captain Henry A. Brown.....	Gravesend.....	Martin Wheelock
	Captain Henry A. Brown.....	Gravesend.....	Bernhard Ross
	Captain Henry A. Brown.....	Gravesend.....	William Marting
	Captain Henry A. Brown.....	Gravesend.....	Miss Jane Lenten
	Captain Henry A. Brown.....	Gravesend.....	Aug. Johman
	Captain Henry A. Brown.....	Gravesend.....	Richard Bachmeyer
	Captain Henry A. Brown.....	Gravesend.....	Fred Bunn
	Captain Henry A. Brown.....	Gravesend.....	Victor Sheridan

Date 1919	Members rendering " first aid "	Place where	Persons assisted
June	22. Captain Henry A. Brown.....	Gravesend.....	Sam Bercawits
	Captain Henry A. Brown.....	Gravesend.....	Jim Currey
	Captain Henry A. Brown.....	Gravesend.....	Chas. Schaffer
	Surfman Jas. Lasrich.....	Gravesend.....	Harry Lanza
	Captain Henry A. Brown.....	Gravesend.....	Otto Geier
	Captain Henry A. Brown.....	Gravesend.....	Henry Mock
	Surfman Jas. Lasrich.....	Gravesend.....	Allen Harbart
	Surfman Geo. Miller.....	Gravesend.....	Ray Smith
	Surfman Geo. Miller.....	Gravesend.....	Oscar Watkins
	23. Surfman Geo. Miller.....	Gravesend.....	Gus Hansen
	Surfman Geo. Miller.....	Gravesend.....	Theo. Wolff
	Captain Henry A. Brown.....	Gravesend.....	Fred. Goetze
	24. Surgeon's Mate Hans Haas....	Gravesend.....	B. Havcy
	Surgeon's Mate Hans Haas....	Gravesend.....	Chas. Feick
	Surgeon's Mate Hans Haas....	Gravesend.....	Geo. Gortenschacher
	Surfman Geo. Miller.....	Gravesend.....	Ferd. Harts
	Surfman Geo. Miller.....	Gravesend.....	Julius Hettinger
	25. Surgeon's Mate Hans Haas....	Gravesend.....	Wm. Downie
	Surgeon's Mate Hans Haas....	Gravesend.....	John Durbin
	Surgeon's Mate Hans Haas....	Gravesend.....	Louis Crawley
	Surgeon's Mate Hans Haas....	Gravesend.....	Conrad Clanser
	26. Captain Henry A. Brown.....	Gravesend.....	Geo. Fuller
	Captain Henry A. Brown.....	Gravesend.....	Bert Warren
	Captain Henry A. Brown.....	Gravesend.....	Geo. Marks
	Captain Henry A. Brown.....	Gravesend.....	Wm. Horn
	Surfman Geo. Miller.....	Gravesend.....	Chas. Bard
	Surfman Jas. Lasrich.....	Gravesend.....	William Boekel
	28. Surfman Jas. Lasrich.....	Gravesend.....	Harry Sherman
	Surfman Jas. Lasrich.....	Gravesend.....	Adolf Kiehlman
	Surfman Geo. Miller.....	Gravesend.....	Kurt Niemer
	Surfman Geo. Miller.....	Gravesend.....	Ernest Strattman
	Surfman Geo. Miller.....	Gravesend.....	Walter Koch
	Surfman Geo. Miller.....	Gravesend.....	Leon Moore
	Surgeon's Mate Hans Haas....	Gravesend.....	Harry Liebman
	Surgeon's Mate Hans Haas....	Gravesend.....	John Vaughan
	Surgeon's Mate Hans Haas....	Gravesend.....	Oscar Schwidetsky
	Captain Henry A. Brown.....	Gravesend.....	Fred Haslam
	Captain Henry A. Brown.....	Gravesend.....	Aug. Weitzer
	29. Captain Henry A. Brown.....	Gravesend.....	Frank Hayden
	Captain Henry A. Brown.....	Gravesend.....	Henry Shaw
	Captain Henry A. Brown.....	Gravesend.....	Thomas Dittmer
	Captain Henry A. Brown.....	Gravesend.....	Julius Strimmuller
	Captain Henry A. Brown.....	Gravesend.....	Sam Feeney
	Captain Henry A. Brown.....	Gravesend.....	Gus Wallrich
	Captain Henry A. Brown.....	Gravesend.....	Wm. Dohle
	Captain Henry A. Brown.....	Gravesend.....	Walter Edmands
	Captain Henry A. Brown.....	Gravesend.....	Michael Ostbey
	Captain Henry A. Brown.....	Gravesend.....	Chas. Turner
	Captain Henry A. Brown.....	Gravesend.....	Wm. Schneider
	Captain Henry A. Brown.....	Gravesend.....	Martin Weiss
	Captain Henry A. Brown.....	Gravesend.....	Miss Emma Weiss
	Captain Henry A. Brown.....	Gravesend.....	Gustave Gass
	Captain Henry A. Brown.....	Gravesend.....	Chas. Marshall
	Surgeon's Mate Hans Haas....	Gravesend.....	Wilbur Jones
	Captain Henry A. Brown.....	Gravesend.....	Alfred Littaner
	Captain Henry A. Brown.....	Gravesend.....	Richard Pents
	Captain Henry A. Brown.....	Gravesend.....	Wm. Langlein
	Captain Henry A. Brown.....	Gravesend.....	Geo. Snell
	Surgeon's Mate Hans Haas....	Gravesend.....	Ed. Schneider
	Surgeon's Mate Hans Haas....	Gravesend.....	Edward McClure

Date 1919	Members rendering " first aid "	Place where	Persons assisted
June	29. Surgeon's Mate Hans Haas.....	Gravesend.....	Harold Sorby
	Surgeon's Mate Hans Haas.....	Gravesend.....	Ernest Dixon
	Surgeon's Mate Hans Haas.....	Gravesend.....	Wm. Newbauer
	Surfman Geo. Miller.....	Gravesend.....	Sam Fuchs
	Surfman Geo. Miller.....	Gravesend.....	Erwin Fappert
	Surfman Geo. Miller.....	Gravesend.....	Chas. Rosenthal
	Captain Henry A. Brown.....	Gravesend.....	Geo. Erwing
	Captain Henry A. Brown.....	Gravesend.....	Henry Tuerk
	Captain Henry A. Brown.....	Gravesend.....	Herm. Carstens
	30. Captain Henry A. Brown.....	Gravesend.....	Henry Fmail
	Captain Henry A. Brown.....	Gravesend.....	Elwood Snedeker
	Surgeon's Mate Hans Haas.....	Gravesend.....	John Berner
July	Surfman Jas. Lasrich.....	Gravesend.....	Frank Webber
	1. Surfman Jas. Lasrich.....	Gravesend.....	John Klein
	2. Surfman Jas. Lasrich.....	Gravesend.....	Aug. Kasan
	Surfman Jas. Lasrich.....	Gravesend.....	Harry Fisher
	3. Surfman Jas. Lasrich.....	Gravesend.....	John Leesman
	Surfman Jas. Lasrich.....	Gravesend.....	Miss Eliza. Heidroth
	4. Surfman Jas. Lasrich.....	Gravesend.....	Miss Agnes Verde
	Surfman Jas. Lasrich.....	Gravesend.....	Anna Monteverdio
	Surfman Jas. Lasrich.....	Gravesend.....	Helen Papke
	Captain Henry A. Brown.....	Gravesend.....	John O'Brien
	Captain Henry A. Brown.....	Gravesend.....	John Kelly
	Captain Henry A. Brown.....	Gravesend.....	Vincent Accettala
	Captain Henry A. Brown.....	Gravesend.....	Chas. Lindberg
	Captain Henry A. Brown.....	Gravesend.....	Leon Parker
	Captain Henry A. Brown.....	Gravesend.....	Herm. Mulford
	Captain Henry A. Brown.....	Gravesend.....	Peter Mebus
	Captain Henry A. Brown.....	Gravesend.....	Frederic Brush
	Captain Henry A. Brown.....	Gravesend.....	Hugh McKenna
	Captain Henry A. Brown.....	Gravesend.....	Nettie Jordan
	Captain Henry A. Brown.....	Gravesend.....	Wm. Hallings
	Captain Henry A. Brown.....	Gravesend.....	Andrew Warner
	Captain Henry A. Brown.....	Gravesend.....	David Crownfield
	Captain Henry A. Brown.....	Gravesend.....	Julius Mott
	Captain Henry A. Brown.....	Gravesend.....	Sam Rosenwald
	Captain Henry A. Brown.....	Gravesend.....	Mic. W. Geeger
	Captain Henry A. Brown.....	Gravesend.....	Peter Hess
	Captain Henry A. Brown.....	Gravesend.....	Edward Wemple
	Surgeon's Mate Hans Haas.....	Gravesend.....	Chas. Danforth
	Surgeon's Mate Hans Haas.....	Gravesend.....	James Barker
	5. Surgeon's Mate Hans Haas.....	Gravesend.....	William Childs
	Surgeon's Mate Hans Haas.....	Gravesend.....	Aug. Prahl
	Surgeon's Mate Hans Haas.....	Gravesend.....	Frank Rascover
	Surgeon's Mate Hans Haas.....	Gravesend.....	Rodney Fiske
	Surgeon's Mate Hans Haas.....	Gravesend.....	Max Stearns
	Surgeon's Mate Hans Haas.....	Gravesend.....	Henry Smolen
	Surgeon's Mate Hans Haas.....	Gravesend.....	William Emig
	Surgeon's Mate Hans Haas.....	Gravesend.....	Walter Brickner
	Surgeon's Mate Hans Haas.....	Gravesend.....	Isidor Ritter
	Surgeon's Mate Hans Haas.....	Gravesend.....	Adolf Wilder
	Surgeon's Mate Hans Haas.....	Gravesend.....	Edward Munson
	6. Captain Henry A. Brown.....	Gravesend.....	John Storer
	Captain Henry A. Brown.....	Gravesend.....	D. Brace
	Captain Henry A. Brown.....	Gravesend.....	James Gater
	Captain Henry A. Brown.....	Gravesend.....	Ralph Deeks
	Captain Henry A. Brown.....	Gravesend.....	John Hammet
	Captain Henry A. Brown.....	Gravesend.....	Marimes Dominik
	Captain Henry A. Brown.....	Gravesend.....	Wm. Appel
	Captain Henry A. Brown.....	Gravesend.....	Henry Corwin

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	6. Captain Henry Brown.....	Gravesend.....	Geo. Colley
	Captain Henry A. Brown.....	Gravesend.....	Abraham Erlanger
	7. Captain Henry A. Brown.....	Gravesend.....	Kate Felker
	Captain Henry A. Brown.....	Gravesend.....	Norsman Carsen
	Surfman Jas. Lasrich.....	Gravesend.....	Joseph Grindon
	Surfman Geo. Miller.....	Gravesend.....	John Luts
	8. Captain Henry A. Brown.....	Gravesend.....	Mac. Reyan
	Surgeon's Mate Hans Haas.....	Gravesend.....	Wm. Hall
	9. Surgeon's Mate Hans Haas.....	Gravesend.....	E. McKesson
	Surgeon's Mate Hans Haas.....	Gravesend.....	Eugene Kilgore
	Surfman Jas. Lasrich.....	Gravesend.....	Arthur Fuller
	10. Captain Henry A. Brown.....	Gravesend.....	Charles Mocroes
	11. Captain Henry A. Brown.....	Gravesend.....	James Whitney
	Captain Henry A. Brown.....	Gravesend.....	D. Wardroff
	12. Captain Henry A. Brown.....	Gravesend.....	Geo. Scott
	Captain Henry A. Brown.....	Gravesend.....	A. Payne
	Surfman Jas. Lasrich.....	Gravesend.....	Conrad Schaffer
	Surfman Jas. Lasrich.....	Gravesend.....	Henry Wolbling
	Surfman Sam Cardinale.....	Gravesend.....	William Hamilton
	Surfman Sam Cardinale.....	Gravesend.....	Joe Aherns
	Surfman Sam Cardinale.....	Gravesend.....	Catherine Thompson
	Captain Henry A. Brown.....	Gravesend.....	Geo. Heaten
	Surfman Jas. Lasrich.....	Gravesend.....	John Grierson
	13. Captain Henry A. Brown.....	Gravesend.....	Mary Grayson
	Captain Henry A. Brown.....	Gravesend.....	Edward Neville
	Captain Henry A. Brown.....	Gravesend.....	Ida Cabot
	Captain Henry A. Brown.....	Gravesend.....	Henry Ziegler
	Captain Henry A. Brown.....	Gravesend.....	Anna Friedman
	Captain Henry A. Brown.....	Gravesend.....	Gus Lutgen
	Captain Henry A. Brown.....	Gravesend.....	Florence Burt
	Captain Henry A. Brown.....	Gravesend.....	Martin Hickman
	Captain Henry A. Brown.....	Gravesend.....	Herbert Blank
	Captain Henry A. Brown.....	Gravesend.....	Wm. O'Keefe
	Captain Henry A. Brown.....	Gravesend.....	Joe Gaffney
	Surfman Jas. Lasrich.....	Gravesend.....	Thomas Kessler
	Surfman Sam Cardinale.....	Gravesend.....	James Sprint
	Surfman Sam Cardinale.....	Gravesend.....	Henry Carter
	Captain Henry A. Brown.....	Gravesend.....	Ellen Leila
	Surgeon's Mate Hans Haas.....	Gravesend.....	Louis Orton
	Surgeon's Mate Hans Haas.....	Gravesend.....	Sam Bieth
	Surgeon's Mate Hans Haas.....	Gravesend.....	Bertha Logan
	Captain Henry A. Brown.....	Gravesend.....	Albert Logan
	Surfman Jas. Lasrich.....	Gravesend.....	Mic. Carvell
	Captain Henry A. Brown.....	Gravesend.....	Wm. Weber
	Surfman Jas. Lasrich.....	Gravesend.....	John Dallgran
	Captain Henry A. Brown.....	Gravesend.....	Jas. Creelman
	Captain Henry A. Brown.....	Gravesend.....	Bert Edwards
	15. Surgeon's Mate Hans Haas.....	Gravesend.....	Grace Crosby
	19. Captain Henry A. Brown.....	Gravesend.....	Chas. Hilder
	Captain Henry A. Brown.....	Gravesend.....	Abraham Slimmer
	Surfman Jas. Lasrich.....	Gravesend.....	Harry Powers
	Surfman Jas. Lasrich.....	Gravesend.....	Mary Robinson
	20. Surfman Geo. Miller.....	Gravesend.....	Peter Murphy
	Surfman Geo. Miller.....	Gravesend.....	Paul Shering
	Surfman Geo. Miller.....	Gravesend.....	Ernest Hulse
	Surfman Geo. Miller.....	Gravesend.....	Edmund King
	Surfman Geo. Miller.....	Gravesend.....	Peter Coleman
	Surfman Geo. Miller.....	Gravesend.....	Chas. Phillips
	Surfman Geo. Miller.....	Gravesend.....	John Breitenbach
	Surfman Geo. Miller.....	Gravesend.....	Martin Smith

Date 1919	Members rendering " first aid "	Place where	Persons assisted
July	20. Surfman Geo. Miller.....	Gravesend.....	Peter Starr
	Surfman Geo. Miller.....	Gravesend.....	William Hayes
	Surfman Geo. Miller.....	Gravesend.....	Thomas Kerns
	Surfman Geo. Miller.....	Gravesend.....	Frank Hennessey
	Surfman Geo. Miller.....	Gravesend.....	Gus Christensen
	Surfman Geo. Miller.....	Gravesend.....	Henry Baer
	Surfman Geo. Miller.....	Gravesend.....	Peter Maniciola
	Surfman Geo. Miller.....	Gravesend.....	Henry Hoeling
	Surfman Geo. Miller.....	Gravesend.....	Ed. Slavin
	Surfman Geo. Miller.....	Gravesend.....	Herm. Hahn
	Surfman Geo. Miller.....	Gravesend.....	William Hausler
	Surfman Geo. Miller.....	Gravesend.....	Paul Smits
	Surfman Geo. Miller.....	Gravesend.....	Bernard Harrison
	Surfman Geo. Miller.....	Gravesend.....	Fred Alex
	Surfman Geo. Miller.....	Gravesend.....	Ed. Fielding
	20. Surfman Geo. Miller.....	Gravesend.....	Raymond Flemming
	Surfman Jas. Lasrich.....	Gravesend.....	Al Foley
	Surfman Jas. Lasrich.....	Gravesend.....	Ed. Peter
	Surfman Jas. Lasrich.....	Gravesend.....	Joe Seifert
	Surfman Jas. Lasrich.....	Gravesend.....	Fred Quinn
	21. Captain Henry A. Brown.....	Gravesend.....	Henry Graf
	Captain Henry A. Brown.....	Gravesend.....	Geo. Wolf
	26. Captain Henry A. Brown.....	Gravesend.....	Harry Poemann
	Captain Henry A. Brown.....	Gravesend.....	Frank Hallmann
	Captain Henry A. Brown.....	Gravesend.....	John Stevens
	Captain Henry A. Brown.....	Gravesend.....	Otto Vaigt
	Captain Henry A. Brown.....	Gravesend.....	Otto Bervio
	Surg. Mate Hans Haas.....	Gravesend.....	Gus Manino
	Surg. Mate Hans Haas.....	Gravesend.....	John Skagelund
	Surg. Mate Hans Haas.....	Gravesend.....	Wilbur Keating
	27. Captain Henry A. Brown.....	Gravesend.....	Garfield Janes
	Captain Henry A. Brown.....	Gravesend.....	Jas. Galla
	Surfman Jas. Lasrich.....	Gravesend.....	John McCullen
	Surfman Jas. Lasrich.....	Gravesend.....	Joe Tobin
	Captain Henry A. Brown.....	Gravesend.....	Tony Dederr
	Captain Henry A. Brown.....	Gravesend.....	Mary Postuler
	Surfman Jas. Lasrich.....	Gravesend.....	Joe Tobin
	Captain Henry A. Brown.....	Gravesend.....	Tony Dederr
	Captain Henry A. Brown.....	Gravesend.....	Mary Postuler
Aug.	31. Captain Henry A. Brown.....	Gravesend.....	A. Van Ripen
	2. Captain Henry A. Brown.....	Gravesend.....	Ernest Jasing
	3. Surfman Geo. Miller.....	Gravesend.....	Geo. Frankel
	Surfman Geo. Miller.....	Gravesend.....	Ernest Hortwitz
	Captain Henry A. Brown.....	Gravesend.....	Harry McKesson
	Surg. Mate Hans Haas.....	Gravesend.....	Chas. Sherring
	Captain Henry A. Brown.....	Gravesend.....	Max Morris
	4. Captain Henry A. Brown.....	Gravesend.....	Edwin Hookstadt
	Surfman Geo. Miller.....	Gravesend.....	John Gerster
	Surg. Mate Hans Haas.....	Gravesend.....	Norman Barnsby
	5. Captain Henry A. Brown.....	Gravesend.....	Bernhard Emmet
	Captain Henry A. Brown.....	Gravesend.....	Walter Mowell
	7. Captain Henry A. Brown.....	Gravesend.....	Louis Karner
	Surg. Mate Hans Haas.....	Gravesend.....	Arthur Stone
	Surfman Jas. Lasrich.....	Gravesend.....	Fred Telney
	8. Surfman Jas. Lasrich.....	Gravesend.....	John Ridlan
	9. Captain Henry A. Brown.....	Gravesend.....	Herm. Seelert
	Captain Henry A. Brown.....	Gravesend.....	Fred'k Wiechert
	Surg. Mate Hans Haas.....	Gravesend.....	Ernest Harnack
	Captain Henry A. Brown.....	Gravesend.....	Wm. Staoker
	Captain Henry A. Brown.....	Gravesend.....	Geo. Ruak

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug.	9. Surfman Geo. Miller.....	Gravesend.....	Louis Mohr
	10. Surfman Geo. Miller.....	Gravesend.....	Wm. Malden
	Surfman Geo. Miller.....	Gravesend.....	Richard Haahurst
	Surfman Geo. Miller.....	Gravesend.....	Bernhard Lehman
	Captain Henry A. Brown.....	Gravesend.....	Al. Cushney
	Surg. Mate Hans Haas.....	Gravesend.....	Ed. Birge
	Surfman Geo. Miller.....	Gravesend.....	Sam Martin
	Surfman Geo. Miller.....	Gravesend.....	Chas. Steinbach
	Captain Henry A. Brown.....	Gravesend.....	Henry Stickney
	Captain Henry A. Brown.....	Gravesend.....	Adolf Wheeler
	Captain Henry A. Brown.....	Gravesend.....	John Maser
	Captain Henry A. Brown.....	Gravesend.....	Martin Jones
	16. Captain Henry A. Brown.....	Gravesend.....	James Lynch
	Captain Henry A. Brown.....	Gravesend.....	Theodore Harris
	Surg. Mate Hans Haas.....	Gravesend.....	D. Bradley
	Surg. Mate Hans Haas.....	Gravesend.....	Victor Mueller
	Captain Henry A. Brown.....	Gravesend.....	Morris Lalar
	Captain Henry A. Brown.....	Gravesend.....	John Crabtree
	17. Captain Henry A. Brown.....	Gravesend.....	Conrad Carpenter
	Captain Henry A. Brown.....	Gravesend.....	Chas. Lindberg
	Captain Henry A. Brown.....	Gravesend.....	Tony Postuler
	Captain Henry A. Brown.....	Gravesend.....	Wm. Greeves
	Captain Henry A. Brown.....	Gravesend.....	Gus. Roseman
	Captain Henry A. Brown.....	Gravesend.....	John Walker
	Surfman Geo. Miller.....	Gravesend.....	Richard Lader
	Surfman Geo. Miller.....	Gravesend.....	James Powell
	Surfman Jas. Lasrich.....	Gravesend.....	Herm. Bracken
	Surfman Jas. Lasrich.....	Gravesend.....	Martin Biggs
	Captain Henry A. Brown.....	Gravesend.....	Paul Hendrick
	Surfman L. Bondé.....	Gravesend.....	Norman Hurts
	Surfman L. Bondé.....	Gravesend.....	Allan Lathrop
	Surfman L. Bondé.....	Gravesend.....	Geo. Whipple
	Surfman L. Bondé.....	Gravesend.....	Hans Blumer
	18. Surfman L. Bondé.....	Gravesend.....	Victor Wilmer
	Surfman L. Bondé.....	Gravesend.....	William Young
	19. Surfman Geo. Miller.....	Gravesend.....	Robert Taylor
	20. Surfman Jas. Lasrich.....	Gravesend.....	John Anderson
	Surfman Jas. Lasrich.....	Gravesend.....	Otto Tobin
	21. Surfman L. Bondé.....	Gravesend.....	Leo Mendal
	22. Surfman L. Bondé.....	Gravesend.....	Chas. Rettger
	22. Captain Henry A. Brown.....	Gravesend.....	Henry Roseman
	23. Captain Henry A. Brown.....	Gravesend.....	Ed. Smith
	Captain Henry A. Brown.....	Gravesend.....	Thomas Carter
	Captain Henry A. Brown.....	Gravesend.....	Frank Seaman
	Captain Henry A. Brown.....	Gravesend.....	Geo. Burnlain
	24. Captain Henry A. Brown.....	Gravesend.....	John Green
	Captain Henry A. Brown.....	Gravesend.....	William Fisher
	Surfman L. Bondé.....	Gravesend.....	Charles Pena
	Surfman L. Bondé.....	Gravesend.....	Miss L. Gautier
	Surfman L. Bondé.....	Gravesend.....	Wilbur Evans
	25. Surfman L. Bondé.....	Gravesend.....	Harry Rose
	Surfman L. Bondé.....	Gravesend.....	Tony Bianchi
	Captain Henry A. Brown.....	Gravesend.....	Morris Adam
	Captain Henry A. Brown.....	Gravesend.....	John Andrew
	Surfman Jas. Lasrich.....	Gravesend.....	John Parker
	Surg. Mate Hans Haas.....	Gravesend.....	Herm. Moller
	Surg. Mate Hans Haas.....	Gravesend.....	Adolf Giani
	Surfman L. Bondé.....	Gravesend.....	Chas. Wassmann
	Surfman L. Bondé.....	Gravesend.....	Frank Roth
	Surfman Hans Haas.....	Gravesend.....	Henry Ost

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug.	25. Surfman Geo. Miller.....	Gravesend.....	Wm. Menke
	Surfman Geo. Miller.....	Gravesend.....	Andrew Burkhardt
	Surfman Geo. Miller.....	Gravesend.....	Julius Sommerhoff
	Surfman Geo. Miller.....	Gravesend.....	Fred Kraemer
	Surfman Geo. Miller.....	Gravesend.....	Gustave Roeber
	Surfman Geo. Miller.....	Gravesend.....	Louis Stachle
	Surfman L. Bondé.....	Gravesend.....	John Ekert
	Surfman Geo. Miller.....	Gravesend.....	Herbert Baldwin
	Surfman Hans Haas.....	Gravesend.....	Henry Weidig
	Surg. Mate Hans Haas.....	Gravesend.....	Arthur Bennet
	Captain Henry A. Brown.....	Gravesend.....	Fred Richter
	Surg. Mate Hans Haas.....	Gravesend.....	Matthew Remsen
	Surg. Mate Hans Haas.....	Gravesend.....	Chas. Breuninger
	Surfman L. Bondé.....	Gravesend.....	Louis Hagney
	Surfman L. Bondé.....	Gravesend.....	Willard Dowell
	Captain Henry A. Brown.....	Gravesend.....	Geo. Foster
	Captain Henry A. Brown.....	Gravesend.....	William Kent
	24. Surfman Jas. Lasrich.....	Gravesend.....	Paul Sandbarn
	Surfman Jas. Lasrich.....	Gravesend.....	Jas. Pascoill
	25. Captain Henry A. Brown.....	Gravesend.....	Geo. Hawkey
	Captain Henry A. Brown.....	Gravesend.....	Ben Davis
	26. Surfman Jas. Lasrich.....	Gravesend.....	Harry Sheppach
	Surfman Geo. Miller.....	Gravesend.....	Emil Buehler
	Surg. Mate Hans Haas.....	Gravesend.....	Albert Scherman
	Surg. Mate Hans Haas.....	Gravesend.....	Jas. Hildner
	28. Surg. Mate Hans Haas.....	Gravesend.....	Patrick Garrigan
	Surfman L. Bondé.....	Gravesend.....	Harvey de Hart
	Surfman L. Bondé.....	Gravesend.....	John Saunier
	30. Surfman Jas. Lasrich.....	Gravesend.....	Chas. Westlein
	Surfman Jas. Lasrich.....	Gravesend.....	Al. Sykes
	Surfman L. Bondé.....	Gravesend.....	Jacob Kohen
	Captain Henry A. Brown.....	Gravesend.....	William Rupp
	Surfman Geo. Miller.....	Gravesend.....	John Martin
May	29. Captain H. F. Ennen.....	Sea Beach.....	Chas. Kieble
	Captain H. F. Ennen.....	Sea Beach.....	Paul Schwartz
	Captain H. F. Ennen.....	Sea Beach.....	N. J. Cole
June	31. Captain H. F. Ennen.....	Sea Beach.....	Mrs. H. McCabe
	Surfman Elias E. Scherer.....	Sea Beach.....	J. F. Budd
July	22. Captain Henry F. Enner.....	Sea Beach.....	May Scheick
	5. Surfman E. Scherer.....	Sea Beach.....	Bernard Scherer
	6. Surfman E. Scherer.....	Sea Beach.....	E. Hennessey
	13. Sr. Lieut. O. Quackenbush.....	Sea Beach.....	Otto Tieman
	16. Surfman E. Scherer.....	Sea Beach.....	Edw. Lee
	17. Surfman E. Scherer.....	Sea Beach.....	John Healey
	Surfman E. Scherer.....	Sea Beach.....	Michael Truglin
	20. Surfman E. Scherer.....	Sea Beach.....	George Edwards
	28. Surfman E. Scherer.....	Sea Beach.....	Frank Bryan
	29. Surfman E. Scherer.....	Sea Beach.....	R. Hennessey
	Surfman E. Scherer.....	Sea Beach.....	John Boylen
	30. Sr. Lieut. H. Quackenbush.....	Sea Beach.....	Lillian Schnible
Aug.	2. Surfman E. Scherer.....	Sea Beach.....	Ethel Feisley
	3. Captain H. F. Ennen.....	Sea Beach.....	John Bader
	Surfman E. Scherer.....	Sea Beach.....	Edw. Van Ingen
	4. Surfman E. Scherer.....	Sea Beach.....	John Robinson
	Surfman E. Scherer.....	Sea Beach.....	Marion Hennessey
	6. Surfman E. Scherer.....	Sea Beach.....	Mrs. S. Hillis
	10. Surfman Elias E. Scherer.....	Sea Beach.....	Marian Hennessey
	25. Surfman Elias E. Scherer.....	Sea Beach.....	Con. Callahan
	26. Surfman Elias E. Scherer.....	Sea Beach.....	Anna McClasky
	29. Captain H. F. Ennen.....	Sea Beach.....	M. Martin

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Date 1919		Members rendering " first aid "	Place where	Persons assisted
Mar.	25.	Sr. Lieut. Jack McCann.....	Dyker Beach.....	James Devine
April	4.	E. Catarsi.....	Dyker Beach.....	E. Catarsi
	6.	Surfman A. Anderson.....	Dyker Beach.....	Vincent Pinone
May	5.	Niel Rorke.....	Dyker Beach.....	Robert O'Leary
	11.	Frank Baran.....	Dyker Beach.....	E. Catarsi
	21.	F. Baran.....	Dyker Beach.....	C. Levine
	30.	Lieut. Jack McCann.....	Dyker Beach.....	Mike Demperril
	31.	Neil Rorke.....	Dyker Beach.....	Dan. Robinson
June	1.	Frank Baran.....	Dyker Beach.....	Thomas Castigler
		E. Catarsi.....	Dyker Beach.....	E. Catarsi
		Frank Baran.....	Dyker Beach.....	John Ferrare
	4.	E. Catarsi.....	Dyker Beach.....	George Hald
		E. Catarsi.....	Dyker Beach.....	George Farrel
	15.	Jr. Lieut. Wm. J. Fitzgerald.....	Dyker Beach.....	Fred. Asis
	22.	E. W. Hart.....	Dyker Beach.....	Frank Cross
		F. Mason.....	Dyker Beach.....	Neil Rorke
		Surfman Jack Perry.....	Dyker Beach.....	Elenore Lund
		Jr. Lieut. Wm. Fitzgerald } Surfman J. Perry..... }	Dyker Beach.....	Angelo Gomets
		Frank Baran.....	Dyker Beach.....	Edwin Lindh
		Surfman Jack Perry.....	Dyker Beach.....	Carl Hansen
	24.	E. Catarsi.....	Dyker Beach.....	George Farrell
	25.	Frank Baran.....	Dyker Beach.....	Neil Rorke
		Jr. Lieut. W. Fitzgerald.....	Dyker Beach.....	W. Fitzgerald
July	1.	E. Catarsi.....	Dyker Beach.....	Siquad Hansen
	2.	E. Catarsi.....	Dyker Beach.....	Arthur Roarke
		E. Catarsi.....	Dyker Beach.....	Unknown
	4.	E. Catarsi.....	Dyker Beach.....	Joseph Speem
		C. Madden.....	Dyker Beach.....	Arnold Anes
		C. Madden.....	Dyker Beach.....	Margaret Rorke
		Captain Jack McCann.....	Dyker Beach.....	Paul Grassi
		C. Madden.....	Dyker Beach.....	Ralph Lorenzo
		E. W. Hart.....	Dyker Beach.....	George Kelly
		Frank Baran.....	Dyker Beach.....	John Farialla
	5.	Neil Rorke.....	Dyker Beach.....	A. Kornbloom
		Neil Rorke.....	Dyker Beach.....	Charles Beady
		F. Cross.....	Dyker Beach.....	Leo L. Merila
		Jr. Lieut. Jake Strabs.....	Dyker Beach.....	Arthur Rorke
	6.	Surfman H. Simms.....	Dyker Beach.....	Stanley Dossan
		Captain J. McCann.....	Dyker Beach.....	Tony Pano
		Surfman E. Catarsi.....	Dyker Beach.....	Harold Kampe
		Surfman Chas. Madden.....	Dyker Beach.....	Anthony Cantale
	7.	Frank Baran.....	Dyker Beach.....	Fred Barry
		F. Cross.....	Dyker Beach.....	Raymond Weldon
		F. Cross and E. Hart.....	Dyker Beach.....	Viola Davis
		Frank Cross.....	Dyker Beach.....	Vincent Ruggelo
	8.	Surfman E. Catarsi.....	Dyker Beach.....	Anthony Mancinelli
	12.	Jr. Lieut. J. Strabs.....	Dyker Beach.....	George Jacklitsch
		Surfman E. Catarsi.....	Dyker Beach.....	Fred Tellefsen
	14.	Surfman John P. Squire.....	Dyker Beach.....	Alexander Vincheso
	19.	Frank Baran..... Edward Catarsi..... }	Dyker Beach.....	Frank Kronholm
	20.	Surfman E. Catarsi.....	Dyker Beach.....	Tony Spanro
		Surfman J. Squire.....	Dyker Beach.....	Alfred Morvillo
	24.	Surfman J. Squire.....	Dyker Beach.....	Arthur Lollo
		Surfman E. Catarsi.....	Dyker Beach.....	Arthur Rohlfis
	25.	Surg. Mate John J. Perry.....	Dyker Beach.....	Salvador Fumagalli
		Surfman John P. Squire.....	Dyker Beach.....	Leonard Witail
		Surg. Mate John J. Perry.....	Dyker Beach.....	Rudolph Anderson
	26.	Captain J. McCann.....	Dyker Beach.....	Thomas O. Donnell

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	26. Surg. Mate John J. Perry	Dyker Beach	Peter Guardino
	Surg. Mate John J. Perry	Dyker Beach	Ludwico Spadafora
	Surg. Mate John J. Perry	Dyker Beach	Edward F. Haney
	Surg. Mate John J. Perry	Dyker Beach	Ralph Royston
	Surg. Mate John J. Perry	Dyker Beach	James Van Pelt
	Surg. Mate John J. Perry	Dyker Beach	Henry Steinker
	Surg. Mate John J. Perry	Dyker Beach	Joseph Fina
	27. Surg. Mate John J. Perry	Dyker Beach	Frank Calvosa
	Surg. Mate John J. Perry	Dyker Beach	John Desmond
	Jr. Lieut. J. Strahs	Dyker Beach	Ford Jensen
	Surg. Mate John J. Perry	Dyker Beach	James Henry
	Surfman A. Anderson	Dyker Beach	W. Helin
	Surg. Mate John J. Perry	Dyker Beach	Harry Nelson
	28. Surfman J. Squire E. Catarsi	Dyker Beach	Conara Mick
	Surfman E. Catarsi	Dyker Beach	Fred. Williams
	Surfman E. Catarsi	Dyker Beach	Alfred Erickson
	Surfman John P. Squire	Dyker Beach	Joe Spanaro
	28. Surfman E. Catarsi	Dyker Beach	James Mentone
	Surfman E. Catarsi	Dyker Beach	Joseph Scoppa
	29. Jr. Lieut. J. Strahs	Dyker Beach	James Mahon
	Surfman E. Catarsi	Dyker Beach	Frank Foti
	Surfman E. Catarsi	Dyker Beach	James Mannie
	Surfman E. Catarsi	Dyker Beach	George Leambrum
	J. Squire		
	30. Surfman E. Catarsi	Dyker Beach	Robert Brunner
	31. Surfman John P. Squire	Dyker Beach	Ouni Pahala
	Surfman John P. Squire	Dyker Beach	Bernard Cohen
	Surg. Mate John J. Perry	Dyker Beach	Luke Fallon
Aug.	1. Surfman E. Catarsi	Dyker Beach	Emil Muller
	2. Jr. Lieut. J. Strahs	Dyker Beach	Chas. Walling
	Jr. Lieut. J. Strahs	Dyker Beach	Agnes Thorwald
	Surg. Mate J. Perry	Dyker Beach	Thomascello Jasper
	3. Jr. Lieut. J. Strahs	Dyker Beach	Frank Hawkins
	Sr. Lieut. S. Lang	Dyker Beach	Gerard Mosian
	Jr. Lieut. J. Strahs	Dyker Beach	Walter Johnston
	Sr. Lieut. S. Lang	Dyker Beach	J. Thomas
	Surg. Mate John J. Perry	Dyker Beach	Ed. Howard
	Surg. Mate John J. Perry	Dyker Beach	Henry Erickson
	6. Surfman A. Anderson	Dyker Beach	Frank Petralia
	Frank Baran	Dyker Beach	Sam Mosian
	9. Surfman John P. Squire	Dyker Beach	Rose Loboseb
	Jr. Lieut. J. Strahs	Dyker Beach	Frank Baron
	10. F. Mason	Dyker Beach	A. Wendland
	Surg. Mate John J. Perry	Dyker Beach	Joseph Trenitiedi
	Surg. Mate John J. Perry	Dyker Beach	Stanley Labenchi
	Surg. Mate John J. Perry	Dyker Beach	Frank Larocco
	Jr. Lieut. J. Strahs	Dyker Beach	Oswald Haplund
	Jr. Lieut. J. Strahs	Dyker Beach	James J. Morgan
	11. E. Catarsi	Dyker Beach	Randal Daurot
	12. Surfman J. Squire	Dyker Beach	Leo Brown
	Jr. Lieut. J. Strahs	Dyker Beach	John Timoney
	Jr. Lieut. J. Strahs	Dyker Beach	James J. Duggan
	Jr. Lieut. J. Strahs	Dyker Beach	Henry Lavine
	13. Surfman A. Anderson	Dyker Beach	Walter Anstusen
	15. Surfman A. Anderson	Dyker Beach	Harold Carass
	Surfman A. Anderson	Dyker Beach	Frank Caruso
	E. Catarsi	Dyker Beach	Ralph Deleo
	16. Surg. Mate J. Perry	Dyker Beach	Geo Spielberg
	Surfman John P. Squire	Dyker Beach	Adam Jochus
	19. Surfman John P. Squire	Dyker Beach	D. Ahrens

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug.	20. E. Catarsi.....	Dyker Beach.....	Thomas Land
	N. Rorke.....	Dyker Beach.....	Andri Joseph
	N. Rorke.....	Dyker Beach.....	Frank Hall
Aug.	21. Surfman John P. Squire.....	Dyker Beach.....	Arthur Leary
	21. E. Catarsi.....	Dyker Beach.....	Charles Buraky
	22. Frank Baran.....	Dyker Beach.....	Edward Grasian
	23. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Clarence Deering
	Surg. Mate John J. Perry.....	Dyker Beach.....	Frank DiGiovanna
	Frank Baran.....	Dyker Beach.....	Rose M. Bivona
	24. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Agnes Lorrin
	Surfman M. Arena.....	Dyker Beach.....	Onne Pakkala
	Captain John McCann.....	Dyker Beach.....	Paul Anderson
	Captain John McCann.....	Dyker Beach.....	James O'Connor
	Surg. Mate John J. Perry.....	Dyker Beach.....	Geo. Ponelli.
	Surg. Mate John J. Perry.....	Dyker Beach.....	Jerry Alfno
	Surg. Mate John J. Perry.....	Dyker Beach.....	Geo. Rogers
	Captain J. McCann.....	Dyker Beach.....	William Whitman
	Surg. Mate John J. Perry.....	Dyker Beach.....	Harry Jobrossen
Sept.	26. Neil Rorke.....	Dyker Beach.....	Evelyn Marron
	27. Surfman John P. Squire.....	Dyker Beach.....	Vensina Fennelli
	Surfman John P. Squire.....	Dyker Beach.....	George Hendi
	29. Surfman Chas. Fetscher.....	Dyker Beach.....	Wm. Daley
	Frank Baran.....	Dyker Beach.....	Frank Smith
	31. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Chas. Eggers
	Surg. Mate John J. Perry.....	Dyker Beach.....	James O'Connor
	Surfman C. Madden.....	Dyker Beach.....	William Evens
	1. Surfman C. Madden.....	Dyker Beach.....	E. Johnson
	7. Surg. Mate John J. Perry.....	Dyker Beach.....	R. H. Martin
	10. Frank Baran.....	Dyker Beach.....	Ivar Okvist
	14. Surfman H. B. Simmons.....	Dyker Beach.....	Jack Jensen
	Surfman H. B. Simmons.....	Dyker Beach.....	J. McClmar
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	Walter Earley
	21. Surfman J. P. Squire.....	Dyker Beach.....	Frank Honstrater
Aug.	Jr. Lieut. J. Strahs.....	Dyker Beach.....	E. Demnitz
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	W. Guthrie
	2. Captain J. C. LeDoux.....	Plum Beach.....	Jack E. Mennella
	7. Captain J. C. LeDoux.....	Plum Beach.....	Frank Twaite
	10. Captain J. C. LeDoux.....	Plum Beach.....	Robert Anderson
April	19. Surfman S. Weiss.....	Drifter Boat Club.....	Arthur Bretton
	13. Surfman S. Weiss.....	Drifter Boat Club.....	Harry Jacobs
	Captain I. Weiss & Surg. Mate S. Redmond.....	Drifter Boat Club.....	Joseph Walsh
	Surg. Mate Sid Redmond.....	Drifter Boat Club.....	Joe Bimson
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Fred Walters
	16. Coxswain H. Seligman & Surg. Mate S. Redmond.....	Drifter Boat Club.....	Frank McQuail
	Surg. Mate Sidney Redmond...	Drifter Boat Club.....	John Walsh
	20. Surg. Mate Sidney Redmond & Captain I. Weiss.....	Drifter Boat Club.....	Fred Warren
	Captain I. Weiss.....	Drifter Boat Club.....	Unknown
	Coxswain H. Seligman.....	Drifter Boat Club.....	Walter King
	26. Captain I. Weiss.....	Drifter Boat Club.....	John Benett
	Coxswain H. Seligman.....	Drifter Boat Club.....	Anna Smith
	27. Surg. Mate S. Redmond & Surf- man F. Vass.....	Drifter Boat Club.....	Alfred Nelson
	27. Surfman S. Weiss.....	Drifter Boat Club.....	Fred Sanders
	Captain I. Weiss & Surfman J. Schneider.....	Drifter Boat Club.....	Stephen Mall y
May	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Louis Kramer
	3. Captain I. Weiss.....	Drifter Boat Club.....	J. Freidul.

Date 1919	Members rendering "first aid"	Place where	Persons assisted
May	3. Surfman W. Harms & Surg. Mate S. Redmond.....	Drifter Boat Club.....	Frank Stern
	4. Jr. Lieut. H. Gassner and Surfman L. Tesar.....	Drifter Boat Club.....	Jack Leffler
	4. Surg. Mate S. Redmond and Captain I. Weiss.....	Drifter Boat Club.....	Miss M. Grant
	29. Surg. Mate S. Redmond and Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Max Livery
	29. Captain I. Weiss and Surfman W. Novata.....	Drifter Boat Club.....	George Baker
	30. Surfman William Harnes.....	Drifter Boat Club.....	Joe Powers
	Surg. Mate Sidney Redman, Jr.	Drifter Boat Club.....	Miss Klein
	Surfman Arthur Dern.....	Drifter Boat Club.....	Walter Hayes
	31. Surfman J. Williams.....	Drifter Boat Club.....	Thomas Sheehan
	Surfman E. Thompson.....	Drifter Boat Club.....	Jacob Schmitt
	Surg. Mate Sidney Redman....	Drifter Boat Club.....	Samuel Cohen
	Surfman H. Hirschman.....	Drifter Boat Club.....	Dan Mahoney
	Captain I. Weiss and Surg. Mate S. Redmond.....	Drifter Boat Club.....	Frank Herman
June	1. Captain I. Weiss.....	Drifter Boat Club.....	Helen Fordom
	Jr. Lieut. H. Gassner and Surg. Mate S. Redmond.....	Drifter Boat Club.....	Arthur Minton
	Captain I. Weiss and Surfman F. Vass.....	Drifter Boat Club.....	Joseph Decaffett
	Coxswain H. Seligman and Surfman L. Lesar.....	Drifter Boat Club.....	Jim Lennon
	Surfman J. Schneider and Surfman F. Vass.....	Drifter Boat Club.....	Florence Rosen
	7. Surg. Mate S. Redman, Jr....	Drifter Boat Club.....	John Lambert
	Surg. Mate S. Redman, Jr....	Drifter Boat Club.....	Fred Slatson
	8. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	William West
	Surfman W. Harms.....	Drifter Boat Club.....	May Schneider
	Surfman Hershman.....	Drifter Boat Club.....	Harry Greenberg
	Surfman S. Weiss.....	Drifter Boat Club.....	Albert Spalita
	Captain Irving Weiss.....	Drifter Boat Club.....	James Haggerty
	Captain Irving Weiss.....	Drifter Boat Club.....	A. Merlin
	14. Captain Irving Weiss.....	Drifter Boat Club.....	Nathan Clark
	15. Boatsman Sidney Weiss.....	Drifter Boat Club.....	John Jacobson
	Captain I. Weiss.....	Drifter Boat Club.....	J. McCabe
	15. Captain I. Weiss.....	Drifter Boat Club.....	A. Kelin
	21. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Joseph Denton
	Surfman W. Harms.....	Drifter Boat Club.....	A. Silverstein
	Boatsman S. Weiss and Surfman H. O'Neal.....	Drifter Boat Club.....	Herbert Garddoes
	Surg. Mate S. Redmond and Captain I. Weiss.....	Drifter Boat Club.....	Fred Hart
	22. Surfman Wm. Henke, Jr....	Drifter Boat Club.....	Sallie Mathews
	Surg. Mate Sidney Redmond...	Drifter Boat Club.....	Sidney Cohen
	Coxswain Sidney N. Weiss....	Drifter Boat Club.....	Mathilde Jennings
	22. Sr. Lieut. Lester Weiss.....	Drifter Boat Club.....	Walter Jacobson
	22. Surfman Steve Smith and Surfman H. O'Neal.....	Drifter Boat Club.....	Harry Grent
	28. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	W. Leffler
	Surfman A. Cardinale.....	Drifter Boat Club.....	J. Bache
	Surfman S. Redmond and Surfman H. Henke.....	Drifter Boat Club.....	M. Bradley
	Surfman J. Schneider and Surfman J. Williams.....	Drifter Boat Club.....	Arthur Kerr
	29. Captain I. Weiss and Boatswain H. Seligman.....	Drifter Boat Club.....	Francis Murtha

Date 1919	Members rendering " first aid	Place where	Persons assisted
June 25.	Surfman A. Dern.....	Drifter Boat Club.....	G. Harris
	Surfman C. Werthmuller.....	Drifter Boat Club.....	Anna Warden
	Surfman W. Harms and Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Fred Minton
	Surg. Mate S. Redmond and Surfman E. Thompson.....	Drifter Boat Club.....	Joseph Walker
July 4.	Boatsman H. Seligman.....	Drifter Boat Club.....	John Mahoney
	Jr. Lieut. H. Gassner and Surf- man Smith.....	Drifter Boat Club.....	Mary Sullivan
	Surg. Mate S. Redman.....	Drifter Boat Club.....	Daisy Slest
	Surfman Harry O'Neill.....	Drifter Boat Club.....	Frank Nettler
	Sr. Lieut. Lester Weiss.....	Drifter Boat Club.....	Marie Hart
	Coxswain S. Weiss.....	Drifter Boat Club.....	M. Harris
	Surfman Ed. G. Shepard.....	Drifter Boat Club.....	Rose Gray
	Surfman J. Williams.....	Drifter Boat Club.....	A. Levine
	5. Captain I. Weiss.....	Drifter Boat Club.....	Thos. Tierney
	Captain I. Weiss and 2d Lieut. H. Gasan r.....	Drifter Boat Club.....	R. Neeser
	Surfman S. Smith.....	Drifter Boat Club.....	A. Lichtenstein
	Captain Irving Weiss.....	Drifter Boat Club.....	John Barry
	Surfman L. Teasr and Surfman W. Norak.....	Drifter Boat Club.....	H. Fullerton
	Surfman W. Harms.....	Drifter Boat Club.....	Chas. Miller
	6. Surfman C. Stralucke and Boat- swain H. Seligman.....	Drifter Boat Club.....	Miss Heineman
	Surfman W. Henke.....	Drifter Boat Club.....	S. Webber
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Thos. Grey
	Captain I. Weiss and 2d Lieut. H. Gassner.....	Drifter Boat Club.....	Ed Leonard
	Coxswain S. Weiss.....	Drifter Boat Club.....	W. McCarter
	12. Surfman L. Lesar.....	Drifter Boat Club.....	Walter Chapin
	12. Surfman E. Thompson and Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Martha Pritchard
	12. Coxswain S. Weiss.....	Drifter Boat Club.....	Joseph Hess
	13. Surfman H. O'Neal.....	Drifter Boat Club.....	Fred Warren
	Captain I. Weiss.....	Drifter Boat Club.....	Chas. A. Anderson
	Coxswain H. Seligman.....	Drifter Boat Club.....	Francis Carroll
	Surg. Mate Sidney Redmond... Jr. Lieut. H. Gassner and Coxswain S. Weiss.....	Drifter Boat Club.....	Jack Fork Alice Malloy
	20. Jr. Lieut. H. Gassner and Coxswain S. Weiss.....	Drifter Boat Club.....	Fred Smith
	20. Captain I. Weiss.....	Drifter Boat Club.....	Joe Freidman
	Coxswain S. Weiss and Surfman H. Novak.....	Drifter Boat Club.....	Arthur Walsh
	26. Surfman S. Smith and Surfman E. Thompson.....	Drifter Boat Club.....	A. Sussman
	Captain I. Weiss.....	Drifter Boat Club.....	Anna Campbell
	Surfman A. Dern.....	Drifter Boat Club.....	Wm. Patchell
	Coxswain S. Weiss and Surfman J. Williams.....	Drifter Boat Club.....	Harold Andersen
	Captain I. Weiss.....	Drifter Boat Club.....	David Baumgarten
	27. Surg. Mate S. Redmond and Captain I. Weiss.....	Drifter Boat Club.....	Marie Hart
	Boatswain H. Seligman.....	Drifter Boat Club.....	S. Cramer
	27. Surfman S. Smith.....	Drifter Boat Club.....	E. Cohn
	Captain I. Weiss.....	Drifter Boat Club.....	Peter Weldon
	Captain I. Weiss.....	Drifter Boat Club.....	Arthur Sacks
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Frank Spanick
	Coxswain S. Weiss.....	Drifter Boat Club.....	H. Prendergast

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	27. Captain I. Weiss	Drifter Boat Club	Miss Greenberg
Aug.	2. Surfman A. Bendrich and Surfman H. O'Neal	Drifter Boat Club	James Hayden
	Surg. Mate S. Redmond and Surfman L. Tesar	Drifter Boat Club	Ben Cohen
	Coxswain S. Weiss	Drifter Boat Club	Frank Walsh
	3. Coxswain S. Weiss, Surfman J. Williard	Drifter Boat Club	John Hunt
	Coxswain S. Weiss, Surfman A. Bendrich	Drifter Boat Club	Sadie Harber
	Surfman C. Stralucke and Captain I. Weiss	Drifter Boat Club	Charles Ross
	Boatswain H. Seligman and Surfman H. Novak	Drifter Boat Club	Joseph Walker
	Sr. Lieut. L. Weiss	Drifter Boat Club	Morris Kaplin
	Boatswain H. Seligman and Surfman L. Tesar	Drifter Boat Club	Walter Brown
	Jr. Lieut. H. Gasner	Drifter Boat Club	Jas. Stone
	Captain I. Weiss and A. Deen	Drifter Boat Club	Rose Frank
	10. Captain I. Weiss	Drifter Boat Club	Jose Meyers
	Sr. Lieut. L. Weiss	Drifter Boat Club	Miss Platt
	Jr. Lieut. H. Gasner	Drifter Boat Club	Minnie Arnstein
	16. Coxswain Harry Seligman	Drifter Boat Club	Jack Wayne
	Coxswain Harry Seligman	Drifter Boat Club	John Wase
	Coxswain Harry Seligman	Drifter Boat Club	Fred King
	Coxswain Harry Seligman	Drifter Boat Club	Lilian Kline
	17. Surfman Will Harmon	Drifter Boat Club	Geo. H. Harris
	17. Surfman Carl Stralucke	Drifter Boat Club	Walter Wolf
	Boatswain S. Weiss	Drifter Boat Club	Louis Walfield
	Jr. Lieut. H. Gasner	Drifter Boat Club	Gertrude Kraus
	Surg. Mate S. Redmond	Drifter Boat Club	May Smith
	Jr. Lieut. H. Gasner	Drifter Boat Club	Samuel Gillen
	24. Captain I. Weiss	Drifter Boat Club	J. Amatto
	Coxswain H. Seligman and Surg. Mate S. Redmond	Drifter Boat Club	Harry Friedman
	Boatswain S. Weiss	Drifter Boat Club	Harry Ehler
	Surfman Wm. Harms	Drifter Boat Club	Jas. Grant
	Surfman Wm. Harms	Drifter Boat Club	Ted LaDasky
	Sr. Lieut. L. Weiss and Surfman F. Vass	Drifter Boat Club	Sidney Cohen
Sept.	6. Captain I. Weiss	Drifter Boat Club	S. Jacoby
	Surfman C. Stralucke	Drifter Boat Club	Mary Heims
	7. Surfman C. Stralucke	Drifter Boat Club	Sam Sherman
	Boatswain S. Weiss	Drifter Boat Club	Samuel Bertache
	Sr. Lieut. L. Weiss	Drifter Boat Club	Robert Brown
	Captain I. Weiss	Drifter Boat Club	M. Schatsberg
	Surfman H. Hirschman and Surfman W. Novak	Drifter Boat Club	Moe Brown
	13. Jr. Lieut. H. Gasner	Drifter Boat Club	Chas. Hinden
	Captain I. Weiss	Drifter Boat Club	T. McKenna
	Surfman C. H. Stralucke	Drifter Boat Club	David Schoen
	14. Surfman W. Novak	Drifter Boat Club	Albert Unger
	Surfman W. Novak	Drifter Boat Club	E. Lowenstein
	Surfman W. Harms	Drifter Boat Club	W. O'Neil
	Lieut. L. Weiss	Drifter Boat Club	D. Harris
	20. Coxswain H. Seligman	Drifter Boat Club	Martha Scott
	Surg. Mate Sidney Redmond	Drifter Boat Club	Nathan Spiers
	21. Sr. Lieut. L. Weiss and Surfman H. O'Neal	Drifter Boat Club	Sam Bertache
	Surfman L. Tesar	Drifter Boat Club	J. Larsen

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Sept.	21. Captain I. Weiss..... Surfman C. Stralucke..... Capt'n I. Weiss.....	Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club.....	W. Droschin Louis Smith Harry Silverman
Oct.	24. Captain I. Weiss..... 27. Boatswain S. Weiss..... Coxswain H. Seligman..... 28. Surfman C. Stralucke..... Captain I. Weiss..... Jr. Lieut. H. Gaasner..... Sr. Lieut. L. Weiss..... Surfman Novak.....	Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club.....	Jim Ireland W. Ahearn Daniel Bihler J. Peet B. Weimer W. Harris Jerome Piske S. Schon
	29. Boatswain S. Weiss..... Surfman Tesar..... Captain I. Weiss and Surg. Mate S. Redmond..... Captain I. Weiss..... Sr. Lieut. I. Weiss..... Captain I. Weiss and Surfman W. Henle..... Surfman S. Redmond and Boatswain S. Weiss.....	Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club.....	Frank Greimel J. Doyle Frank Lauria H. Goldberg Walter Morrow John Flemish Arthur Coburn
Nov.	2. Captain I. Weiss and Surg. Mate S. Redmond..... 9. Captain I. Weiss and Surfman C. Stralucke..... Surfman C. Stralucke..... 16. Captain I. Weiss and Surg. Mate S. Redmond..... 23. Boatswain S. Weiss..... 30. Captain I. Weiss.....	Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club..... Drifter Boat Club.....	Jim Murray Sam Blume Fred Deigen William Schwartz Leo Farobstein John A. Weinberg
Dec.	7. Boatswain S. Weiss and Surfman H. Novak..... 14. Captain I. Weiss and Surg. Mate S. Redmond.....	Drifter Boat Club..... Drifter Boat Club.....	Alfred Brown L. Wolfeld

RESCUES

SANDS BAY

Date 1919	Member making rescue	Place where	Person rescued
July	10. Captain Julius Mueske, Jr..... 12. Surfman Fred Ritter..... 14. Sr. Lieut. Frank S. Ritter.....	Sands Bay..... Sands Bay..... Sands Bay.....	Jos. Erney Paul Speigel Unknown
April	4. Captain W. J. Hotte.....	Dreamland.....	John Kennedy
July	4. Surfman Gerhard..... 6. Surg. Mate A. Newark.....	Dreamland..... Dreamland.....	Jos. Wiener Isidor Zeharahaky
Aug.	3. Surfman Hogimin..... 10. Captain J. Schilling..... 10. Captain W. J. Hotte..... 14. Surg. Mate A. Newmark..... 14. Surg. Mate A. Newmark..... 14. Surg. Mate A. Newmark..... 23. Surfman Hoffman..... 24. Surg. Mate A. Newmark..... 24. Surfman Earl.....	Dreamland..... Dreamland..... Dreamland..... Dreamland..... Dreamland..... Dreamland..... Dreamland..... Dreamland..... Dreamland.....	Herman Dwoertsh Unknown woman Fred Gross Two girls Marion Tamplin Catherine Tamplin Mrs. B. Dryer Mrs. Dora Rothstein San Epstein
Sept.	7. Surg. Mate A. S. Newmark.....	Dreamland.....	Hilda Tiedemann
June	3. Surfman Wm. Coogan.....	Washington Baths.....	Unknown
July	3. Captain Wm. Hayma.....	Washington Baths.....	Pauline Stettner
July	3. Captain Wm. Hayma.....	Washington Baths.....	Nicholas Rosa

Date 1919	Member giving assistance	Place where	Persons rescued
July	28. Surfman John Delgrasie.....	Washington Baths.....	I. Malkah
Aug.	23. Surfman John Delgrasie.....	Washington Baths.....	Mrs. Caseman
May	30. Surfman Billy Acker.....	Sheepshead Bay Point.....	Harriet Parson
June	23. Surg. Mate Guillet.....	Sheepshead Bay Point.....	Rhoda Holmes
	29. Surg. Mate Guillet.....	Sheepshead Bay Point.....	Alice Fischell
July	5. Surfman Berk.....	Sheepshead Bay Point.....	Mary Long
	25. Surfman Billy Acker.....	Sheepshead Bay Point.....	Ethel Friedman
	25. Captain C. B. Scully, Surfman, E. Stymer, Surfman V. Reppa	Sheepshead Bay Point.....	Henry Warso
	26. Captain C. B. Scully, Surfman, E. Stymer, Surfman V. Reppa	Sheepshead Bay Point.....	Aaron Cohen
	26. Captain C. B. Scully, Surfman, E. Stymer, Surfman V. Reppa	Sheepshead Bay Point.....	Joseph Nordine
	30. Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	Jane Norton
Aug.	13. B. Berk.....	Sheepshead Bay Point.....	Miss J. Mash
	13. Captain Chas. Scully.....	Sheepshead Bay Point.....	Edw. Conrad
	13. Captain Chas. Scully.....	Sheepshead Bay Point.....	Unknown
	13. P. Greene.....	Sheepshead Bay Point.....	Otto H. Danken
	26. Surg. Mate E. Guillet.....	Sheepshead Bay Point.....	Louis Kimmel
	26. Captain Scully and Surfman Berk.....	Sheepshead Bay Point.....	Unknown girl
	26. Surfman E. Stymer.....	Sheepshead Bay Point.....	Two unknown women
	27. Surfman Acker.....	Sheepshead Bay Point.....	Mike Bretto
	27. Surfman E. Stymer.....	Sheepshead Bay Point.....	Chas. Satillo
	27. Surfman Jas. Albert.....	Sheepshead Bay Point.....	Joseph Kulpa
	27. Captain Scully.....	Sheepshead Bay Point.....	Frank Bedyke
	27. Captain Scully.....	Sheepshead Bay Point.....	Frank Costello
June	22. Surfman Milford Ahrens.....	Thalls No. 10.....	Name refused
July	12. Surfman W. Nilsson.....	Thalls No. 10.....	Alfred Hartmair
	14. Coxswain F. McLoughlin.....	Thalls No. 10.....	Sylvester Malone
Sept.	11. Sr. Lieut. H. Wharmby.....	Thalls No. 10.....	Herbert Clarkston
July	26. A. F. Faine.....	Goulds Station.....	Unknown (2 people)
Sept.	7. Captain J. C. Stehlin.....	Goulds Station.....	Unknown
	7. Captain J. C. Stehlin.....	Goulds Station.....	Unknown
July	27. Captain Henry A. Brown.....	Gravesend.....	Mars Pastuler
Aug.	3. Surfman Jas. Laarich.....	Gravesend.....	S. Pitzels, M. D.
	Surfman Jas. Laarich.....	Gravesend.....	Nettie Pitzely
June	22. F. Mason.....	Dyker Beach.....	Louis Gutilla
	Jr. Lieut. W. Fitzgerald.....	Dyker Beach.....	Edwin Farrell
	F. Mason.....	Dyker Beach.....	May Starr
July	5. Capt. J. McCann.....	Dyker Beach.....	Jas. Harrigan
	27. Surg. Mate Jack Perry.....	Dyker Beach.....	Antonio Bondanza
	Captain J. McCann.....		
June	26. Surfman Chas. Kriebel.....	Sea Beach.....	Nick Capon
	1. Boatswain S. Weins.....	Drifter Boat Club.....	William Coughland
	Surg. Mate S. Redmond.....		
	8. Lieutenant L. Weiss.....	Drifter Boat Club.....	Walter Johnson
	Lieutenant H. Gasner.....		
	15. Coxswain H. Seligman.....	Drifter Boat Club.....	Aug. Nelson
	Boatswain S. Weiss.....		
July	1. Captain J. Weiss.....	Drifter Boat Club.....	Julius Warner
	Boatswain S. Weiss.....		
	4. Coxswain H. Lelegnas.....	Drifter Boat Club.....	Jack Hilton
	Surfman A. Dern.....		
Sept.	20. Surfman W. Harms.....	Drifter Boat Club.....	T. Maase
Oct.	5. Surfman W. Novak.....	Drifter Boat Club.....	Tim Hopkins
	Surfman S. Redmond.....		
July	19. Captain Julius Meake, Jr.....	Sands Bay.....	Wm. Kammerdiner
	Sr. Lieut. Frank Ritter.....	Sands Bay.....	Fred. Kammerdiner
Aug.	16. Captain Julius Meake, Jr.....	Sands Bay.....	Two boys

PERSONS ASSISTED

Date 1919	Members giving assistance	Place where	Persons assisted
Aug.	23. Surfman J. Gans.....	Parkway.....	Lest Feldman
July	21. Surfman Ed. Cody.....	Steeplechase.....	Unknown
	23. Surfman P. Urlin.....	Steeplechase.....	R. J. Waring
Aug.	25. Surfman Sam Loomis.....	Steeplechase.....	Unknown
	25. Surfman Ed. Cody.....	Steeplechase.....	W. A. Sullivan
Sept.	1. Captain Ralph Buonocoe.....	Steeplechase.....	Irving Cohen
May	31. E. Catarsi.....	Dyker Beach.....	Frank Scaglione
June	21. Surfman H. B. Simmons.....	Dyker Beach.....	John Caverelera
	23. E. Catarsi.....	Dyker Beach.....	Scott Spences
July	1. Surfman E. Catarsi.....	Dyker Beach.....	Unknown
Aug.	17. Surg. Mate J. Perry.....	Dyker Beach.....	B. H. Hansen
	E. Catarsi.....		
	Surfman C. Madden.....		
	F. Mason.....		
	21. Captain J. McCann.....	Dyker Beach.....	Unknown
	Jr. Lieut. J. Strahs, Jr.....		
	22. Surfman E. Fletcher.....	Dyker Beach.....	Harry Murray
	30. Captain J. McCann.....	Dyker Beach.....	Edw. Steinbuchler
	Jr. Lieut. J. Strahs.....		
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	Geo. McKignoy & wife
	Lieutenant Lang.....		
	Surfman John L. Squire.....	Dyker Beach.....	Unknown
Aug.	6. Captain Henry A. Brown.....	Gravesend.....	John Liber
	10. Captain Henry A. Brown.....	Gravesend.....	Julius Tully
	24. Surg. Mate Hans Haas.....	Gravesend.....	D. T. May & A. Blank

BOATS ASSISTED

Date 1919	Members giving assistance	Place where	Boats assisted
Nov.	11. Surfman J. Gans.....	Parkway.....	J. E. Edwell
Aug.	9. Sr. Lieut. A. F. Lowe.....	Goulds No. 10.....	Canoe
	29. Police and doctor.....	Goulds No. 10.....	Motorboat
April	27. Captain Schroder.....	Dyker Beach.....	Motorboat
	12. F. Mason.....	Dyker Beach.....	Motorboat
	Surfman Chas. Eggers.....		
Oct.	21. Captain McCann.....	Dyker Beach.....	Motorboat (2 men)
	Sr. Lieut. Lang.....		
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	Launch
	Jr. Lieut. J. Strahs.....		
	Captain McCann.....	Dyker Beach.....	Sailboat
	Surfman Simon.....	Dyker Beach.....	Canoe
	Captain McCann.....		
July	6. Sr. Lieut. F. S. Ritter.....	Sands Bay.....	Canoe
	Captain Julius Meske, Jr.....	Sands Bay.....	Launch "Jessie L."
	Captain Julius Meske, Jr.....		
	19. Jr. Lieut. A. Schmupp.....	Sands Bay.....	Rowboat (2 persons)
	27. Surfman Frank Schapper.....	Sands Bay.....	Launch "Margaret"
Aug.	17. Surfman John P. Edwards.....	Sands Bay.....	Rowboat (2 men)
	Surfman Geo. Schmupp.....		
	Surfman John Schmupp.....	Sands Bay.....	Rowboat
	30. Captain Julius Meske, Jr.....		
	Sr. Lieut. Frank S. Ritter.....	Sands Bay.....	Motorboat "Happy"
	Sr. Lieut. Frank S. Ritter.....		
Sept.	7. Surfman Fred Ritter.....	Sands Bay.....	Motorboat "Gus & Bill"
	Surfman John Denig.....		
July	5. H. Gassner.....	Drifter Boat Club.....	Motorboat
	Surfman E. Thompson.....		
	13. Surfman C. Stralucke.....	Drifter Boat Club.....	Rowboat
	Surfman H. Hirschman.....	Drifter Boat Club.....	Canoe

Date 1919	Member giving assistance	Place where	Boats assisted
July	13. Surfman W. Harms.....	Drifter Boat Club.....	Motorboat
	Surfman A. Dern.....		
	14. Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Motor boat "Tuna"
	Surfman W. Novak.....		
	15. Coxswain H. Seligman.....	Drifter Boat Club.....	Motor boat "Anna M"
	Boatswain S. Weiss.....		
	Captain I. Weiss.....		
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Sailboat "Acorn" (2 men)
	Surfman W. Novak.....		
	Surfman H. Tesar.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Row boat (2 people)
	Surfman A. Dern.....		
	Captain I. Weiss.....		
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Motor boat "Rambler" (5 people)
	Surfman H. Hirshman.....		
	Surfman E. Thompson.....		
	17. Surfman L. Lesar.....	Drifter Boat Club.....	Row boat (3 people)
	20. Boatswain H. Seligman.....	Drifter Boat Club.....	Motor boat "Helen II"
	Captain I. Weiss.....		
	22. Surfman W. Harms.....	Drifter Boat Club.....	Motor boat (8 people)
	Surfman H. Novak.....	Drifter Boat Club.....	Motor boat (4 people)
	Surfman A. Dern.....		
	Captain I. Weiss.....		
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Motor boat "Grenadier"
	Boatswain H. Seligman.....		
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Row boat
	Surfman H. Novak.....		
	26. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Rose"
	Jr. Lieut. H. Gassner.....		
	27. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Betty R"
	Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Harvest"
	Sr. Lieut. L. Weiss.....		
Aug.	2. Surfman H. Hirshman.....	Drifter Boat Club.....	Row boat
	3. Surfman W. Harms.....	Drifter Boat Club.....	Row boat (2 people)
	Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Frank B."
	Jr. Lieut. H. Gassner.....		
	9. Captain I. Weiss.....	Drifter Boat Club.....	Row boat
	9. Boatswain H. Seligman.....	Drifter Boat Club.....	Motor boat "King-fisher"
	10. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Larry" (8 people)
	Boatswain H. Seligman.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Happy"
	Surfman W. Henle.....		
Mar.	Coxswain S. Weiss.....	Drifter Boat Club.....	Row boat (2 people)
	16. Surfman Schneider.....	Drifter Boat Club.....	Motor boat
	Sr. Lieut. L. Weiss.....		
	23. Captain I. Weiss.....	Drifter Boat Club.....	Row boat (3 people)
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Motor boat (3 people)
April	5. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Row boat (2 people)
	6. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat (5 people)
	Surfman L. Tesar.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Motor boat (4 people)
	12. Surfman S. Weiss.....	Drifter Boat Club.....	Row boat
	13. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat (2 people)
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Row boat (2 people)
	18. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Mary B."
	Sr. Lieut. L. Weiss.....		
	19. Captain I. Weiss.....	Drifter Boat Club.....	Row boat (2 people)
	Coxswain H. Seligman.....		
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Motor boat

Date 1919	Member giving assistance	Place where	Boats assisted
May	3. Coxswain H. Seligman.....	Drifter Boat Club.....	Row boat (2 people)
	4. Boatswain S. Weiss.....	Drifter Boat Club.....	Motor boat
	Surfman A. Dern.....		
	11. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat (4 people)
	Jr. Lieut. H. Gassner.....		
	18. Boatswain H. Seligman.....	Drifter Boat Club.....	Motor boat "Yankee"
	25. H. Gassner.....	Drifter Boat Club.....	Row boat (3 people)
	S. Weiss.....		
	26. Boatswain J. William.....	Drifter Boat Club.....	Motor boat (2 people)
	27. Surfman W. Harms.....	Drifter Boat Club.....	Row boat (3 people)
	29. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Row boat
	30. Captain I. Weiss.....	Drifter Boat Club.....	Row boat
	Surfman William Norak.....		
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Powerboat (3 people)
	Surfman S. Smith.....		
June	31. Surfman W. Norak.....	Drifter Boat Club.....	Row boat
	Surg. Mate Sidney Redman.....	Drifter Boat Club.....	Powerboat "Wanderer"
	1. Coxswain H. Seligman.....	Drifter Boat Club.....	Canoe (2 girls)
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Motor boat
	Surfman H. O'Neal.....		
	8. Captain Weiss.....	Drifter Boat Club.....	Motor boat (2 men)
July	Jr. Lieut. H. Gassner.....		
	28. Surfman H. Hirschman.....	Drifter Boat Club.....	Rowboat
	29. Coxswain S. Weiss.....	Drifter Boat Club.....	Rowboat
	Surfman S. Smith.....		
	4. Sr. Lieut. Lester Weiss.....	Drifter Boat Club.....	Viking
	Captain I. Weiss.....		
	4. Jr. Lieut. Gassner.....	Drifter Boat Club.....	Motor boat "Alice D."
	Surfman Vass.....		
	Surfman L. Learar.....	Drifter Boat Club.....	Motor boat "Blue Star"
	Surfman Novack.....		
Aug.	5. Captain I. Weiss.....		
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Motor boat "Merry Angler"
	Surfman Tassar.....		
	16. Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Aline"
	17. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Motor boat "Tillies S."
	Captain I. Weiss.....		
	Surfman H. Hirschman.....	Drifter Boat Club.....	Motor boat "Jane B."
	23. Surfman W. Novak.....	Drifter Boat Club.....	Boat "Mary B."
	Surfman R. Gregory.....		
	24. Surfman William Novak.....	Drifter Boat Club.....	Motor boat "Eagle"
Sept.	6. Coxswain H. Seligman.....	Drifter Boat Club.....	Row boat
	Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Ham Dunn
	Surfman J. Williams.....		
	14. Surfman H. Hirschman.....	Drifter Boat Club.....	Launch "Hawk"
	21. Captain I. Weiss.....		
	Surfman C. Strahucke.....	Drifter Boat Club.....	Motor boat "Mack"
	Surfman W. Novak.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Motor boat "Rambler"
	Surfman Novak.....		
	27. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Motor boat "Oak"
Oct.	Boatswain S. Weiss.....		
	28. Captain I. Weiss.....	Drifter Boat Club.....	Launch "Viola"
	Surfman Novak.....		
	Surfman Novak.....	Drifter Boat Club.....	Row boat
	5. Captain I. Weiss.....		
	Surfman Novak.....	Drifter Boat Club.....	Launch "Matilda"
	Surfman Tassar.....		
	Surfman Hirschman.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Row boat

Date	Member giving assistance	Place where	Boats assisted
1919			
Oct.	5. Captain I. Weiss.....	Drifter Boat Club.....	Launch "Babe"
	Sr. Lieut. L. Weiss.....		
	11. Coxswain H. Seligman.....	Drifter Boat Club.....	Row boat
	12. Surgeon Mate S. Redman.....	Drifter Boat Club.....	George Biffer
	Captain I. Weiss.....	Drifter Boat Club.....	Row boat
	Sr. Lieut. Lester Weiss.....	Drifter Boat Club.....	Launch "Peggy B."
	Boatswain S. Weiss.....		
	Surfman Henle.....		
	18. I. Barnett.....		
	H. O'Neal.....	Drifter Boat Club.....	Row boat
	19. Surfman W. Harms.....	Drifter Boat Club.....	Motor boat
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Row boat
	19. Surfman J. Williams.....		
	Surfman F. Voss.....		
	Surfman W. Novak.....		
	S. Smith.....	Drifter Boat Club.....	Raft
	25. Captain I. Weiss.....		
	Sr. Lieut. Lester Weiss.....		
	Jr. Lieut. H. Gassner.....		
	26. Surfman C. Stralucke.....	Drifter Boat Club.....	Row boat
	Sr. Lieut. Weiss.....	Drifter Boat Club.....	Motor boat
	Surfman Schneiter.....	Drifter Boat Club.....	Sailboat
Nov.	2. Boatswain Weiss.....		
	Surfman Novak.....		
	16. Captain I. Weiss.....		
	Sr. Lieut. Lester Weiss.....	Drifter Boat Club.....	Motor boat
	30. Boatswain S. Weiss.....	Drifter Boat Club.....	Row boat
	Boatswain S. Weiss.....	Drifter Boat Club.....	Row boat
Dec.	28. Captain I. Weiss.....	Drifter Boat Club.....	Row boat
	S. Weiss.....		

BODIES RECOVERED

Date	Members giving assistance	Place where	Bodies recovered
1919			
July	17. Surfman J. Delgrasie.....	Washington Baths.....	George Orkin
Aug.	2. Boatswain Theo. Acker.....	Sheepshead Bay Point.....	Unknown
	Surfman P. Horgan.....		

WRECKAGE

Date	Members giving assistance	Place where	Wreckage removed
1919			
June	1. Jr. Lieut. W. Clarkson.....	Dreamland.....	Logs
	Surfman Hotte.....		
	A't S'g Mate H. Hegerman.....		
July	29. Asst. Surg. Mate H. Hegerman.....	Dreamland.....	Barrel of glass
Aug.	28.....	Goulds No. 10.....	Log
June	22. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Large raft
July	27. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Half barrel
	Surgeon Mate J. Perry.....	Dyker Beach.....	Log
	Captain J. McCann.....	Dyker Beach.....	Raft
	Captain J. McCann.....	Dyker Beach.....	Glass
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	Two large logs
Aug.	3. Surgeon Mate J. J. Perry.....		
	Captain J. McCann.....		
	Jr. Lieut. J. Strahs.....		
	10. Jr. Lieut. J. Strahs.....	Dyker Beach.....	Glass
	Jr. Lieut. J. Strahs.....	Dyker Beach.....	Log
	20. Surgeon Mate J. J. Perry.....	Dyker Beach.....	Raft
	Captain J. McCann.....		

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Date 1919	Member giving assistance	Place where	Wreckage removed
Aug.	27. Surfman John Squire.....	Dyker Beach.....	Log
	31. Frank Baron.....	Dyker Beach.....	Logs
Sept.	9. Captain J. J. McCann.....	Dyker Beach.....	Logs
Mar.	31. Captain I. Weiss.....	Drifter Boat Club.....	Timbers
	Sr. Lieut. L. Weiss.....		
April	6. Surfman S. Weiss.....	Drifter Boat Club.....	Logs
	20. Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Logs
	Surfman J. Williams.....		
June	3. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Logs
	Surfman I. Barnett.....		
	Lieut. H. Gassner.....	Drifter Boat Club.....	Two logs
	1st Lieut. L. Weiss.....		
	4. Captain I. Weiss.....		
	Surfman J. Williams.....	Drifter Boat Club.....	Timber
	Surfman E. Thompson.....		
	7. Sr. Lieut. L. Weiss.....	Drifter Boat Club.....	Log
	15. Sr. L. Weiss.....	Drifter Boat Club.....	Three logs, four timbers
	Jr. Lieut. H. Gassner.....		
	21. Surfman Harry O'Neil.....	Drifter Boat Club.....	Four logs
	Surfman I. Barnett.....		
	29. Captain I. Weiss.....	Drifter Boat Club.....	Four logs
	Surfman L. Tesar.....		
July	5. Captain I. Weiss.....	Drifter Boat Club.....	Three logs and two timbers
	Boatswain H. Seligma.....		
	Surfman J. Williams.....	Drifter Boat Club.....	Glass and tin cans
	Surfman E. Thompson.....		
	27. Surfman S. Smith.....	Drifter Boat Club.....	Glass and tin cans
	Surfman W. Harms.....	Drifter Boat Club.....	Glass and tin cans
	Surfman L. Tesar.....		
	29. Surfman I. Barnett.....	Drifter Boat Club.....	Glass and tin cans
	Surfman A. Bendrick.....		
Aug.	1. Surfman W. Norak.....	Drifter Boat Club.....	Glass and tin cans
	Surfman E. Thompson.....		
	Surfman L. Tesar.....		
	Surfman H. O'Neil.....	Drifter Boat Club.....	Glass and tin cans
	Surfman J. Williams.....		
	27. Surfman W. Novak.....	Drifter Boat Club.....	Glass and tin cans
	Surfman L. Tesar.....		
	31. Surfman A. Cardinale.....	Drifter Boat Club.....	Animal
	Surfman R. Gregory.....	Drifter Boat Club.....	Tin cans and glass
	Surfman E. Shepard.....		
Sept.	3. Surfman W. Henle.....	Drifter Boat Club.....	Glass
	Surfman F. Voss.....		
	9. Captain I. Weiss.....	Drifter Boat Club.....	Three logs
	17. Captain I. Weiss.....	Drifter Boat Club.....	Timber
	Surfman Stralucke.....		
	23. Surfman A. Dern.....	Drifter Boat Club.....	Log
	S. Smith.....		
	24. Surfman W. Henle.....	Drifter Boat Club.....	Glass
	Surfman A. Dern.....	Drifter Boat Club.....	Wreck drifting
	F. Voss.....		
	Surfman L. Tesar.....	Drifter Boat Club.....	Log
	Jr. Lieut. H. Gassner.....	Drifter Boat Club.....	Box of glass
	Surfman C. Stralucke.....		
	27. Surfman S. Smith.....	Drifter Boat Club.....	Timber
	Surfman Henle.....		
	28. Captain I. Weiss.....	Drifter Boat Club.....	Raft
	Surfman S. Smith.....		
	Captain I. Weiss.....	Drifter Boat Club.....	Old barrel
Oct.	26. Surfman C. Werthmuller.....	Drifter Boat Club.....	Sunken log

Date 1919	Member giving assistance	Place where	Wreckage removed
Nov.	2. Surfman W. Harms.....	Drifter Boat Club.....	Logs
	Surfman L. Lesar.....		
	9. Boatswain S. Weiss.....	Drifter Boat Club.....	Old row boat
	Jr. Lieut. H. Gassner.....		
	23. Captain I. Weiss.....	Drifter Boat Club.....	Old log
	Jr. Lieut. H. Gassner.....		

BOROUGH OF BRONX

FIRST AID

Date 1919	Members rendering "first aid"	Place where	Persons assisted
May	27. Boatswain W. Dankner.....	Port Morris.....	Harry Hearn
June	1. Sr. Lieut. J. Giles.....	Port Morris.....	Louis Klein
	4. Captain E. Fischer.....	Port Morris.....	Arthur Paulson
	5. Surfman S. Jackowski.....	Port Morris.....	Isador Tiller
	7. Boatswain M. Jackowski.....	Port Morris.....	David Adler
	Boatswain M. Jackowski.....	Port Morris.....	David Miller
	Surfman H. Thieband.....	Port Morris.....	Paul Smith
	9. Surfman J. Gilhoolley.....	Port Morris.....	John Lawson
	10. Surfman J. Gilhoolley.....	Port Morris.....	Harry Weissner
	Surfman P. Greene.....	Port Morris.....	Barney Sirarter
	14. Captain E. Fischer.....	Port Morris.....	Wilton Randall
	18. Surfman P. Greene.....	Port Morris.....	Aaron Rubin
July	Surfman Fred Giles.....	Port Morris.....	John Guin
	20. Surfman P. Greene.....	Port Morris.....	Edward Smith
	21. Sr. Lieut. J. Giles.....	Port Morris.....	John Fabinsky
	Surfman P. Greene.....		
	1. Surfman Chas. Sherbaum.....	Port Morris.....	Robert Burns
	2. Surfman P. Greene.....	Port Morris.....	Daniel McGill
	3. Surfman P. Greene.....	Port Morris.....	Henry Haugh
	Surfman Jackowsky.....		
	4. Jr. Lieut. H. Danber.....	Port Morris.....	Harry Kats
	G. Goehl.....	Port Morris.....	Benj. Keller
	5. Surfman H. Harris.....	Port Morris.....	James Duryea
	Jr. Lieut. H. Danber.....	Port Morris.....	G. Nimphins
	Surfman H. Harris.....	Port Morris.....	Axel Togelberg
	7. Captain E. Fischer.....	Port Morris.....	David Schreotter
	Jr. Lieut. H. Dankner.....	Port Morris.....	Aaron Newman
	Surfman P. Greene.....	Port Morris.....	John Harding
	Jr. Lieut. F. Dankner.....		
	Jr. Lieut. H. Dankner.....		
	Phil Greene.....		
	13. Surfman P. Greene.....	Port Morris.....	Wm. O'Hara
	17. Otto Goehl.....	Port Morris.....	Louis Klein
	Surfman Roy Dunn.....	Port Morris.....	Maurice Corkery
	23. Surfman John Foley.....	Port Morris.....	Joseph Platkin
	24. Surfman R. Dunn.....	Port Morris.....	William Griffiths
	Boatswain M. Jackowski.....	Port Morris.....	Alex. Sundburg
	Boatswain M. Jackowski.....	Port Morris.....	E. Fischer
	25. Surfman John Foley.....	Port Morris.....	Samuel Lendy
	Captain E. Fischer.....	Port Morris.....	Florence Meyers
	Captain E. Fischer.....	Port Morris.....	Dennis Kelleher
	Captain E. Fischer.....	Port Morris.....	John Peasella
	Captain E. Fischer.....	Port Morris.....	John D'Anillo
	27. Boatswain M. Jackowski.....	Port Morris.....	Joseph Plotkil
	28. Surfman Royal Denn.....	Port Morris.....	Aaron Rubin
	Surfman John Foley.....	Port Morris.....	William Kats
	Surfman P. Greene.....	Port Morris.....	Paul Malt

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	28. Surfman John Foley.....	Port Morris.....	Joseph Plotkin
	29. Surfman John Foley.....	Port Morris.....	Joseph Plotkin
	30. Surfman Jack Giles.....	Port Morris.....	Baigio Fusco
	31. Surfman John Foley.....	Port Morris.....	Frank Recuberate
	Surfman John Foley.....	Port Morris.....	Charles Solomon
Aug.	Surfman John Foley.....	Port Morris.....	Harry Lubinger
	1. Surfman John Foley.....	Port Morris.....	Arthur Duffell
	7. Surfman Stephen A. Jackowski.....	Port Morris.....	Henry Kaplan
	Surfman Phillip Greene.....	Port Morris.....	Theodore Kraus
	9. Surfman Phillip Greene.....	Port Morris.....	Walter Merwede
	11. Surfman H. Harris.....	Port Morris.....	Martin Chodrobo
	Surfman J. Gilhooley.....	Port Morris.....	William Conroy
	12. Surfman J. Foley.....		
	Surfman P. Greene.....		
	Surfman John Foley.....	Port Morris.....	Sidney Goldstein
	Surfman P. Greene.....	Port Morris.....	Alex. Freeman
	13. Surfman John Foley.....	Port Morris.....	Veranacia McGuinness
	Surfman John Foley.....	Port Morris.....	Herman Reischbach
	15. Surfman John Foley.....	Port Morris.....	Louis Fito
	16. Surfman John Foley.....	Port Morris.....	Isaac Lavine
	18. Surfman John Foley.....	Port Morris.....	James Kastowitz
	20. Sr. Lieut. J. Giles.....	Port Morris.....	Walter Laine
	21. Surfman John Foley.....	Port Morris.....	Philip Kline
	22. Surfman Geo. Nooscher.....	Port Morris.....	D. Schmetterer
	Surfman P. Greene.....	Port Morris.....	William Ryan
	Boatswain M. Jackowski.....	Port Morris.....	Herman Brandt
Sept.	23. Surfman William Danker.....	Port Morris.....	J. Bogert
	24. William Danber.....	Port Morris.....	D. Hottes
May	31. William Danber.....	Port Morris.....	William Goss
	E. Fischer.....	Port Morris.....	Barney Chodorove
	4. Surfman P. Greene.....		
June	5. Surfman P. Greene.....	Port Morris.....	Stephen McDermott
	3. Surfman Henry Jegle.....	Barretto Point.....	William Semnett
	30. Surfman H. Adams.....	Barretto Point.....	E. Carlsen
July	31. Surfman H. Adams.....	Barretto Point.....	Jack Ellis
	15. Surfman C. E. Westervelt.....	Barretto Point.....	Miss L. O'Connor
	Coxswain W. Schupbach.....	Barretto Point.....	K. Waelder
	22. Surfman H. Jegle.....	Barretto Point.....	W. Bailey
Sept.	30. Coxswain W. Schupbach.....	Barretto Point.....	Jos. Harber
	4. Coxswain W. Schupbach.....	Barretto Point.....	K. Enderle
	Coxswain W. Schupbach.....	Barretto Point.....	Unknown
	5. Surfman F. H. Adams.....	Barretto Point.....	Harry Treu
	Coxswain W. Schupbach.....	Barretto Point.....	Chas. Post
	Coxswain W. Schupbach.....	Barretto Point.....	Anthony Benedict
	6. Surfman F. H. Adams.....	Barretto Point.....	Benj. Radawsky
	Surfman C. Westervelt.....	Barretto Point.....	J. Mulholland
	Coxswain W. Schupbach.....	Barretto Point.....	S. Strisver
	Surfman Henry Jegle.....	Barretto Point.....	George Hahn
	Surfman C. Westervelt.....	Barretto Point.....	Sylvie Libert
	Surfman H. Jegle.....	Barretto Point.....	E. Waelder
Sept.	Coxswain W. Schupbach.....		
	2. Coxswain W. Schupbach.....	Barretto Point.....	S. Horn
	8. Surfman F. Adams.....	Barretto Point.....	Alex. Kovoric
	9. Coxswain W. Schupbach.....	Barretto Point.....	E. Schupbach
	Sr. Lieut. W. Von Reggern.....	Barretto Point.....	W. Museler
	Coxswain W. Schupbach.....	Barretto Point.....	Gep Filler
	Coxswain W. Schupbach.....	Barretto Point.....	W. Meltcher
	10. Surfman H. Jegle.....	Barretto Point.....	R. Adams
Sept.	16. Captain F. Adams.....	Barretto Point.....	Leo Laner
	24. Surfman E. Schupbach.....	Barretto Point.....	W. Schupbach

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Sept. 31.	Boatswain C. Westervelt.....	Barretto Point.....	H. Jegle
	Surfman H. Jegle.....	Barretto Point.....	C. Westervelt
	Boatswain C. Westervelt.....	Barretto Point.....	P. Hodgins
	Boatswain C. Westervelt.....	Barretto Point.....	H. Jegle
	Surfman J. Morrison.....	Barretto Point.....	W. Schupbach
	Coxswain W. Schupbach.....	Barretto Point.....	Margaret Hagen
	Coxswain W. Schupbach.....	Barretto Point.....	Joe Mulbolland
	Surfman E. Schupbach.....	Barretto Point.....	W. Schupbach
Jan. 9.	Coxswain Otto Bach.....	Clason Point.....	Nicholas Peters
	10. Coxswain Otto Bach.....	Clason Point.....	Paul Pansegrau
Mar. 31.	Coxswain Otto Bach.....	Clason Point.....	Edward Bisminger
	Coxswain Chas. Gilfrich.....		
May 26.	Coxswain Otto Bach.....	Clason Point.....	Louis Seakin
July 4.	Surfman Gilfrich.....	Clason Point.....	Emma Wagner
	Nalen, Jr.....		
	Coxswain Otto Bach.....	Clason Point.....	John Kaiser
	Surfman Caspar Kaiser.....	Clason Point.....	Margaret Harries
	6. Surfman Caspar Kaiser.....	Clason Point.....	Peter Miller
	27. Surfman Caspar Kaiser.....	Clason Point.....	John Grimshaw
June 3.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Albert Joseph Hobbs
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Maycr
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Louis Gersh
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Malts
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Hollander
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Murray Weston
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Malts
	4. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Thomas McConnell
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Emanuel Roth
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	C. Gillinaky
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Joseph Salke
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Max Laber
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Theo. Lefson
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Julius Steinberg
	5. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Ballon
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Alfred Grossant
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Patrick Borden
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Sam Jacobs
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Fred Lillianstein
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Solomon Goldman
	6. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Vernon Gooding
	7. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Edith Allum
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Jackson
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Wigeand
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Norman Burg
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Joseph Wiggins
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	James Fortune
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	David Schwartz
	10. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Hugh Healy
	11. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Max Mitchell
	12. Surfman Lombardi.....	Bronx Aquatic & Rec. Club.	Joseph Barbieri
	13. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Josee Lichtman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Sunbury
	Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Lippy
	Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	Walter Scott
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Salvatore Lucci
	14. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Lewis Hornikel
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Benj. Brodo
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jacob M. Hanson
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Emili Schnurmack
	Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	George Magauson

Date 1919	Members rendering "first aid"	Place where	Persons assisted
June 14.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Joseph Delia
15.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Arthur Thornton
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Abraham
	Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	Arthur Deutsch
	Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	Mat Schwartz
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Schults
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Thomas Ryan
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jerome Levey
16.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Saffer
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harold Marks
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Fishbein
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Edward Fauchot
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jack Ecker
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mary Nicoletti
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	George White
17.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Julius Brado
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Alexander Brodi
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Lees
18.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mrs. Anna Smith
19.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Anna Livingston
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Tony Prato
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Russo
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Sam Solmeider
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Joseph Kaufman
20.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Joseph Mortimer
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Julius Lustig
	Surfman Frank Lombardi.....	Bronx Aquatic & Rec. Club.	Louis Kirby
21.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Irving Fox
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	David Michels
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Helen Geisler
21.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Suhrl
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Edna Sager
22.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Helen Deesauer
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Charles Dieda
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Michael Miller
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Clifford Bishop
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Michael Skiko
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Kayduch
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mabel P. White
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Benj. Gluch
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Leidenberg
	Surfman Frank Lombardi.....	Bronx Aquatic & Rec. Club.	Alfred Perlstein
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Harry Merran
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Sl. Altman
23.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Fred Forman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Alice Saunder
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Thompson
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Edward Fauchot
24.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. Wageman
25.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Tootsie Marden
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mr. Carl Turkel
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. Turkel
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jim Kennedy
27.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Bosh
28.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Joseph Corrigan
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	C. W. Hutton
29.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Tootsie Marden
30.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Max Eisner
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Sidney Locks
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Michael Lemittio

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	1. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	George Allgoever
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	George Kentling
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	J. Wall
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Margaret Hartford
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Max Brenner
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Isadore Gartenberg
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Harry Schwartz
	2. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Rosolino Condemi
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Regina Dugan
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	James Zarkaders
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Sam Kaufman
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Herman Silverman
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	David Gordon
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Martha Burke
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Frank Mattes
	3. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	John Bloom
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Jerry Labon
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Thomas Wilson
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Frankie Meadows
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Victor Coagnoth
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Mrs. Novido
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Mary Perlestein
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Louis Schuback
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Irvin Kamins
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	J. R. Friedman
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Abe Lechner
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Alfred Unger
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Herman Specter
	4. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Charles Raymond
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Al Schoeck
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Sam Valencia
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Thomas Kingal
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Reginald Dugan
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Martha Burk
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Anna Blumenfeld
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Joseph Shaprio
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Joseph Brooks
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Lissie Lambert
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	A. Paul Berman
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	William Lanson
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Larry Tasker
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Al Altman
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Victor Cargnotti
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Harry Munson
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Joseph Vaiatua
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Harry Rosenberg
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Joseph Pariser
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Rocco Vaccarelli
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Fred Oster
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Max Yugler
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	A. Siegel
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Louis Weissman
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Michael Silverman
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Gus Tiuner
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Maurice Unger
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	John Hart
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Arthur Young
	5. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Unknown
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Louis Fox
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Al Rose

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	5. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Heartnett
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Sam Rittersburn
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Ruth Bucaman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Ferment Fleament
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Luftig
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Daniel Henneally
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Fred Stern
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Harry Leitman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Silvia Cohn
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank L. Inglin
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Collin
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Ben Erenstoft
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Marie Williams
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Michael Cirnignial
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Nellie Cumono
	6. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Maxwell Sheer
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	George Rowley
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Albert Meyer
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Irving Feldman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Walter Kastedt
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	David Wisotaky
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Arthur Sachs
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Katherine Peters
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Sager
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Michael D. Perrin
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Murray Sachs
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Al Massa
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Isaac Davidson
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Abe Phillips
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mike Stakaka
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	William Blume
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	J. Tromer
	Surfman Joseph Russo.....	Bronx Aquatic & Rec. Club.	David Brafman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Abe Solomon
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Herman Kahan
	7. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	William Smith
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Ben Gubitos
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Nathan Cohen
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Ed Myers
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Santo Dagata
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Michael Dartell
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Alex Ginsburg
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Stanley Lefkowitz
	8. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Enso Gagliarsi
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Pacifico
	9. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	David Sadowaky .
	10. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Sheller
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Bert Pherson
	11. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Carmel Rediague
	12. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Fred Bergen
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jack Murray
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Lou Vinki
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jules Furst
	13. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	G. Hyman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Girard Grella
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Alex. Anderson
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mary Gibraltar
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Dorothy Rothman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Phyllis Barker
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Evelyn Whittle

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July 13.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	R. A. Coates
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Fred Rosen
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	George Godick
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Sam Aronoe
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Michaels Fottopoulos
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	August Keller
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Charles Bianchi
14.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Birges Ekdahl
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Joseph Frankel
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Emily Rimmer
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Martha Hoger
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Ralph Pinanski
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	John Wolfson
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Dan Grad
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	David Aarons
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Daniel Gross
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Albert Davis
17.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. S. Colgan
19.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Robert L. Chadwick
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Kehrl
20.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Walter Miller
21.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Matthew Attinello
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Abraham Lechner
24.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Denis
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Marcel John
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Louis Rudoff
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Richard Smith
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Phil Hochman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Israel Rosenfel
25.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Paul Chaplin
26.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Vitting
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mrs. Dunn
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Leo Briekman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Daniel Antes
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Morris Ruben
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Phil Harris
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Ethel L. Manning
27.	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Rose Martin
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Abe Weber
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	E. J. Liebman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	M. Kalinaky
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	S. Greenstein
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Max Teichner
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Phil Ehrenreid
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	J. Neagy
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Manny Mendelson
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Arthur Moss
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Greenberg
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Harvey Goldenberg
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	John Blair
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Herman Richenthal
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Sidney Newman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Sebastin Mareca
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Milton Fisher
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Al Schroder
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Dave Zernstein
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Samuel Bell
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Sam Grudin
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mortimer Marcus
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Moe Winter

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	27. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	George Heis
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Jac. Leff
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Mat Levine
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	James Lemihan
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Selvin Goldman
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	John E. Lostaley
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Arthur McMahon
	28. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Lawrence Rothchild
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Henry Tripken
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Jacob Gottfried
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Aelam Simon
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Milton Witt
	30. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Irving Kecht
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Mrs. A. K. Wormser
	31. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Leonard Weinberg
Aug.	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	David Fisher
	1. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Otto Gilbert
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Dobell Norton
	2. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Fred Keller
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Rita Askinasi
	Surfman Frank Lombardi	Bronx Aquatic & Rec. Club.	R. Bukans
	3. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Bertha Levine
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Jacob Kamisoff
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Ben Adler
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Benjamin Patnik
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Charles O'Neill
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Harry Wisotsky
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	M. Terry
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Louis Fisher
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Morris Slater
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Edward Lans
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Mrs. McGrath
	4. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Lester Pollock
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Louis Weiner
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Mary Fila
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Isadore Kandel
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Edward August
	7. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	George Pinno
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Henry Witte
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Mirian Schafsan
	8. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	B. Markowitz
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Julian Brown
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	William Levine
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Dorothy Neltzer
	9. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Charlotte Phillips
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	Frank Bellantine
	10. Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	John Mack
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	L. B. Lawson
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	I. Esacoff
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Sam Kaufman
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	John McNamara
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	William Lifschutz
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	J. Rosenberg
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Joseph Tracy
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	J. Weiler
	12. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Henry Spencer
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	M. Saffer
	Captain O. H. Ahrens	Bronx Aquatic & Rec. Club.	James Corr
	16. Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	George Natt
	Surfman J. M. Russo	Bronx Aquatic & Rec. Club.	Albert Southwell

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug.	11. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Grossman
	19. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	L. Neubauer
	20. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	E. Allen
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Winfield
	21. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Ernest Samley
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Henry C. Spencer
	22. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	James Marone
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Charles Lyons
	23. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Richard Small
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Degelamith
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Joseph P. Richards
	24. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	William Seidenberg
	Surfman Jule Hirsch.....	Bronx Aquatic & Rec. Club.	Dan O'Connor
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	S. Cohen
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	M. Leiderman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Max Kalisch
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. Alberta Franklin
	25. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Jacob Leitner
	26. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mrs. G. Spencer
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Sidney Glickman
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Angelo Orso
	29. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Kappel
	30. Surfman Bellantono.....	Bronx Aquatic & Rec. Club.	John Corbett
	Surfman Bellantono.....	Bronx Aquatic & Rec. Club.	Moses Schnapp
	Surfman Bellantono.....	Bronx Aquatic & Rec. Club.	Harry Stone
Jan.	1. Private Hemingway.....	Hunters Island.....	James Alberta
	Private Hemingway.....	Hunters Island.....	Hans Semler
	Private Louchman and Booth..	Hunters Island.....	Patrick McVamara
	Private Kennedy.....	Hunters Island.....	Percival Burch
	12. Captain Murray.....	Hunters Island.....	Dan Watson.
	W. Culligan.....		
April	13. Lieut. C. M. Johnson.....	Hunters Island.....	Arthur Burns
	Captain M. Murray.....		
	13. Act. Surg. Mate Wm. Blicklin	Hunters Island.....	Mary Ultman
May	19. Private Farrell.....	Hunters Island.....	Mary Cleary
June	1. Act. Surg. Mate Blicklin.....	Hunters Island.....	Nicholas Blum
	3. Surfman Tim Bergen.....	Hunters Island.....	Wm. Horstman
	Surfman Carl Masett.....		
	22. Captain Murray.....	Hunters Island.....	John Walston
	Captain Murray.....	Hunters Island.....	P. Jergensen
	Surg. Mate Blicklin.....		
	23. Captain Murray.....	Hunters Island.....	Patsy Malano
	Surfman Tim Bergen.....		
	Surg. Mate William Blicklin...	Hunters Island.....	Nicholas Plishin
July	4. Surfman Thos. Campbell....	Hunters Island.....	E Esther Silverstein
	Surfman H. Roof.....		
	Private Hemingway.....	Hunters Island.....	Frank Elaino
	Private H. I. Booth.....		
	7. Corporal Downes.....	Hunters Island.....	John J. Burke
	11. Private Farrell.....	Hunters Island.....	James M. Cann
	12. Captain E. M. Johnson.....	Hunters Island.....	Phillip Crane
	13. Surfman John Schligel.....	Hunters Island.....	John W. Genne
	Coxswain Edw. H. Ottes.....	Hunters Island.....	James Almy
	14. Act. Captain E. M. Johnson..	Hunters Island.....	Harry Roof
	Act. Captain E. M. Johnson...	Hunters Island.....	Mrs. M. Friedman
	26. Boatswain H. Nilson.....	Hunters Island.....	Emil Ehrlick
	Boatswain H. Nilson.....	Hunters Island.....	Wm. Boese
	Boatswain H. Nilson.....	Hunters Island.....	Minerva Edelstein
	Boatswain H. Nilson.....	Hunters Island.....	Pasquale Annunziata
	Surfman A. Ottes.....	Hunters Island.....	Jos. Finkelstein

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	26. Coxswain E. Ottes.....	Hunters Island.....	A. Reenanik
	27. Act. Captain E. M. Johnson...	Hunters Island.....	S. Jaffe
	Act. Captain E. M. Johnson...	Hunters Island.....	Harry Gunther
	Act. Captain E. M. Johnson...	Hunters Island.....	John Kuheider
Aug.	31. Act. Captain E. M. Johnson...	Hunters Island.....	James Smith
	3. Surg. Arthur Salomon.....	Hunters Island.....	David Siegel
	10. Surg. Arthur Salomon.....	Hunters Island.....	Miss Dines
	Surfman Wm. Culligan.....	Hunters Island.....	John Hochman
	Surg. Arthur Salomon.....	Hunters Island.....	John Crown
	Act. Captain E. M. Johnson...	Hunters Island.....	Martha Doctoran
	Corporal Von Bartheld.....	Hunters Island.....	Ernest Johnson
	15. James Smith.....	Hunters Island.....	William Cleary
	19. Private Hemmingway.....	Hunters Island.....	Samuel Kats
	Surfman H. Roof.....	Hunters Island.....	Elsie Beck
	Surfman S. Campbell.....	Hunters Island.....	Michael Dawnes
	20. Private Homan.....		
	21. Surfman H. Roof.....		
	Surfman S. Campbell.....		
	22. Surfman S. Campbell.....	Hunters Island.....	Leo Wimple
	Surfman H. Roof.....		
	24. Jr. Lieut. H. Roof.....		
	27. Jr. Lieut. H. Roof.....		
	31. Captain W. Murray.....	Hunters Island.....	Sam Simon
	Surfman Solomon.....		
Sept.	1. Surg. Mate A. Solomon.....	Hunters Island.....	Sam Cohen
	5. Boatswain H. Nilson.....	Hunters Island.....	Marie Caterright
	7. Surfman A. Nilson.....	Hunters Island.....	Joseph Rosenburg
	8. Act. Captain E. M. Johnson...	Hunters Island.....	Helen Ball
	Surg. A. Solomon.....	Hunters Island.....	Benj. Levitas
	Surg. A. Solomon.....	Hunters Island.....	J. Warmflask
Nov.	9. Surg. A. Solomon.....	Hunters Island.....	Sol Cohen
	23. Boatswain H. Nilson.....	Hunters Island.....	William Hassen
	Captain McMurray.....	Hunters Island.....	John Allenson
	Captain McMurray.....	Hunters Island.....	John Silver and William Pell
	Boatswain Nilson.....		
Dec.	12. Boatswain Nilson.....	Hunters Island.....	Unknown

RESCUES

Date 1917	Member making rescue	Place where	Person rescued
May	5. Surfman P. Greene.....	Port Morris.....	Morris Fox
July	5. Surfman J. Foley.....	Port Morris.....	Carmine Marino
	6. Surfman H. Harris.....	Port Morris.....	William Goodbody
Aug.	11. Surfman P. Greene.....	Port Morris.....	Frank Fuch
	27. Sr. Lieut. J. Giles.....	Port Morris.....	Florence Cedar
	Boatswain M. Jackowski.....		
Sept.	4. Surfman P. Greene.....	Port Morris.....	Manuel Goodweber
June	1. Surfman Stephen Gamp.....	Clason Point, Bronx.....	John Daggett
	Surfman Henry S. Gamp.....		
July	4. Captain Chas. Metscher.....	Clason Point, Bronx.....	Pasquale Derasmo
	Captain C. F. Nalen, Jr.....	Clason Point, Bronx.....	R. Scrott
	Surfman Stephen H. Gamp.....	Clason Point, Bronx.....	C. Taylor
	Surfman Stephen H. Gamp.....		
	20. Surfman Wm. Bing.....		
June	27. Surfman R. Martin.....	Clason Point, Bronx.....	Benjamin Hamil and others
	Surfman H. Bartsch.....	Clason Point, Bronx.....	E. Rosenbaum
	3. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mary Smith
	4. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Morris Unger
			Unknown

Date 1918	Member making rescue	Place where	Person rescued
June	14. Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	David Sable
	15. Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Gray
	Surfman Frank Lombardi.....		
	16. Surfman Joseph M. Russo.....	Bronx Aquatic & Rec. Club.	James Le Clair
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Gordon
	18. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Unknown
	21. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Murray Furman
	22. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Irwin Schwartz
	23. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Jerome Mulroy
	24. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Unknown
July	28. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Ellen Lamar
	29. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Joseph Losti
	1. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Irving Adler
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. M. Fink
	3. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Lewis Lowey
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Irving Dubile
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Joe Kleinman
	4. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Jacob Levine
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Harry Amster
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Lewis Mirsahi
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Louis Hymen
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Lodis Court
	5. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Unknown
	Surfman J. M. Russo.....		
	6. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Jesse Fule
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Virginia Bonoma
	7. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	James Russell
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Samuel Hoffman
	8. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Edward Borok
	13. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frank Peterson
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	John Mirken
	14. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Herman Sindler
	17. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Gertrude Rolland
	18. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Hilda Frank
	24. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Thomas Delahan
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Healey
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Frances Gambine
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Wm. Levy
	27. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Walter Barker
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Mrs. C. D. Wolke
	29. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Max Kaufman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Schima Kaufman
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Maurice Helfand
Aug.	2. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Eva Monge
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Belle Hamill
	3. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Evelyn Marks
	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Mamie Ryan
	8. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Irving Weickman
	10. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Leroy Morits
	11. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	David Amlin
	12. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Cos
	13. Surfman Hirsch.....	Bronx Aquatic & Rec. Club.	Unknown
	Surfman Parse.....		
	16. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Frank Maviglia
	17. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	James McHugh
	21. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Thomas Leroy
	23. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Clarence Riler
	24. Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Thomas Deints
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Alice McDonald
	Surfman J. M. Russo.....	Bronx Aquatic & Rec. Club.	Elsie Moore

UNITED STATES VOLUNTEER LIFE SAVING CORPS, 1919 333

Date 1919	Member making rescue	Place where	Person rescued
Aug. 24.	Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Louis Levey
July 27.	Boatswain H. Nilson.....	Hunter Island.....	Mary Merkin
Mar. 12.	Boatswain H. Nilson.....	Hunter Island.....	Luigi Plassano

PERSONS ASSISTED

Date 1919	Members giving assistance	Place where	Persons assisted
May 30.	Surfman W. Schupbach.....	Barretto Point.....	F. B. Russell, M. Rolfe
	Surfman H. Adams.....		
	Surfman H. Gagle.....		
June 1.	Surfman H. B. Adams.....	Barretto Point.....	Unknown
Aug. 10.	P. McMurray.....	Hunter Island.....	18 persons sheltered from storm
	24. P. McMurray.....	Hunter Island.....	32 persons sheltered from storm

BOATS ASSISTED

Date 1919	Members giving assistance	Place where	Boats assisted
Jan. 23.	Surfman J. Foley.....	Port Morris.....	Row boat
Feb. 9.	Jr. Lieut. H. Danker.....	Port Morris.....	Submarine chaser 58 D 3
	Captain E. Fischer.....		
June 4.	Captain E. Fischer.....	Port Morris.....	Dept. St. cleaning scow
	Surfman G. Looschen.....		
	Surfman F. Giles.....		
	23. Surfman J. Foley.....	Port Morris.....	Launch "Deena"
July 6.	Surfman F. Giles.....	Port Morris.....	Launch "Tyche"
	Sr. Lieut. W. Danker.....	Port Morris.....	Steamer "Common- wealth"
	22. Surfman J. Foley.....		
	31. Surfman J. Foley.....	Port Morris.....	Motor boat "Haja"
Aug. 16.	Surfman J. Foley.....	Port Morris.....	Row boat
	26. Captain E. Fischer.....	Port Morris.....	Yacht "Moyonette"
	Boatswain M. Jackowski.....		
	Surfman J. Murray.....		
	Surfman P. Greene.....	Port Morris.....	Launch "Revol"
Sept. 14.	Surfman P. Greene.....		
	Captain E. Fischer.....	Port Morris.....	Tug boat "Restless"
Oct. 15.	Surfman Philip Greene.....	Port Morris.....	Cruiser "Rambler"
	Surfman M. Jackowski.....	Port Morris.....	Cruiser "Crescent"
	Surfman Philip Greene.....		
	Surfman M. Jackowski.....	Barretto Point.....	Motor boat "Yankee"
Aug. 4.	Surfman F. Adams.....	Clason Point, Bronx.....	Row boat (8 boys)
June 22.	Captain C. F. Nalen.....	Clason Point, Bronx.....	Motor boat "Socony"
	Boatswain W. M. Browne.....		
July 7.	Sr. Lieut. Charles Nalen, Jr.....	Clason Point, Bronx.....	Ferry boat (8 passen- gers)
	13. Sr. Lieut. Charles Nalen, Jr.....	Clason Point, Bronx.....	Row boat
	Captain Charles Metscher.....	Clason Point, Bronx.....	Launch (3 persons)
	20. Surg. Mate Wm. H. Felmbec.....	Clason Point, Bronx.....	Motor boat
Aug. 12.	Coxswain Otto Bash.....	Clason Point, Bronx.....	Motor boat
	25. Coxswain Otto Bash.....	Clason Point, Bronx.....	Unknown motor boat
April 20.	Captain McMurray.....	Hunter Island.....	Row boat
	Captain McMurray.....	Hunter Island.....	Row boat
May 30.	Nelson Blicklin.....	Hunter Island.....	Cruiser (8 people)
	Captain Murray.....	Hunter Island.....	Row boat
	31. Surfman J. Kuheider.....	Hunter Island.....	Row boat
June 1.	Surfman Echlagel.....	Hunter Island.....	Canoe

Date 1919	Member giving assistance	Place where	Persons assisted
July	1. Johnson and Culligan.....	Hunter Island.....	Motor boat (4 men)
	22. Johnson and Ottis.....	Hunter Island.....	Power boat
	Johnson and Ottis.....	Hunter Island.....	Cruiser
	Jr. Lieut. Wm. Culligan.....	Hunter Island.....	Motor boat
	Jr. Surfman E. Spade.....		
July	23. Surfman H. Roof.....	Hunter Island.....	Row boat
	Boatswain H. Nilson.....		
	26. Surfman Campbell.....	Hunter Island.....	Motor boat "Berbain"
	Surfman Campbell.....	Hunter Island.....	Row boat (2 people)
	Surfman A. M. Nilson.....	Hunter Island.....	Row boat
	Coxswain Jas. Smith.....	Hunter Island.....	Row boat
	27. Surfman H. Campbell.....	Hunter Island.....	Motor boat
Aug.	28. Surfman H. Campbell.....	Hunter Island.....	Motor boat
	10. Surfman H. Campbell.....	Hunter Island.....	Boat
	Surfman H. Roof.....		
	Surfman Campbell.....	Hunter Island.....	Metalic shell
	Surfman H. Roof.....		
Sept.	18. Surfman H. Roof.....	Hunter Island.....	Row boat
	20. Surfman H. Roof.....	Hunter Island.....	Danger signal
	9. Surfman Nagett.....	Hunter Island.....	Catamaran
	29. Surfman A. J. Ottis.....	Hunter Island.....	Row boat

BODIES RECOVERED

Date 1919	Members giving assistance	Place where	Bodies recovered
June	1. Surfman H. B. Adams.....	Barretto Point.....	Unknown man
	Surfman H. Gogle.....		
Aug.	4. Captain O. H. Ahrens.....	Bronx Aquatic & Rec. Club.	Walter McCoy
Sept.	8. Boatswain H. Nelson.....	Hunter Island.....	Daniel McGrath
	22. Captain M. Murray.....	Hunter Island.....	Arthur Torre
	Surfman Ryan.....		

WRECKAGE

Date 1919	Members giving assistance	Place where	Wreckage removed
May	2. Captain E. Fischer.....	Port Morris.....	Log
July	4. Surfman P. Greene.....	Port Morris.....	Old boat
	5. Surfman C. Shirban.....	Port Morris.....	Log
	6. Surfman J. Foley.....	Port Morris.....	Planks
	7. Captain E. Fischer.....	Port Morris.....	Log
	8. Surfman R. Dunn.....	Port Morris.....	Log
	24. Surfman J. Foley.....	Port Morris.....	Float
	Surfman J. Foley.....	Port Morris.....	Log
	1. Surfman J. Foley.....	Port Morris.....	Log
Aug.	Surfman J. Foley.....	Port Morris.....	Log
	7. Surfman J. Foley.....	Port Morris.....	Log
	15. Surfman J. Foley.....	Port Morris.....	Log
Sept.	2. Surfman P. Greene.....	Port Morris.....	Log
	Surfman J. Shultz.....		
	Surfman R. Dunn.....		
	14. Surfman P. Greene.....	Port Morris.....	Log
	19. Surfman J. Foley.....	Port Morris.....	Log
	18. Surfman R. Dunn.....	Port Morris.....	Plank
	Dec. 6. Surfman John Foley.....	Port Morris.....	Three logs
	Surfman John Foley.....	Port Morris.....	One log
	Aug. 4. Surfman H. Gogle.....	Barretto Point.....	Log
	10. Surfman H. Gogle.....	Barretto Point.....	Log
	Capt. F. Adams.....		

BOROUGH OF QUEENS

FIRST AID

Date 1919	Members rendering "first aid"	Place where	Persons assisted
June 29.	Commodore H. W. Beling.....	Rockaway Point Beach....	Wm Oahle
July 6.	Surfman Henry H. Loeber.....	Rockaway Point Beach....	Unknown
13.	Surfman Henry H. Loeber.....	Rockaway Point Beach....	Miss Morris
19.	Commodore H. W. Beling.....	Rockaway Point Beach....	Wm. Little
22.	Commodore H. W. Beling.....	Rockaway Point Beach....	Mr. Harley
24.	Commodore H. W. Beling.....	Rockaway Point Beach....	Mr. Lewell
Aug. 3.	Commodore H. W. Beling.....	Rockaway Point Beach....	Unknown
	Captain Geo. Kraverath.....	Rockaway Point Beach....	Mr. Stricker
	Jr. Lieut. Kraverath.....	Rockaway Point Beach....	Mr. Groen
	Jr. Lieut. Kraverath.....	Rockaway Point Beach....	Unknown
10.	Commodore H. W. Beling.....	Rockaway Point Beach....	Mr. Mead
30.	Commodore H. W. Beling.....	Rockaway Point Beach....	Mr. Mohr
Sept. 7.	Commodore H. W. Beling.....	Rockaway Point Beach....	H. W. Bling
	Commodore H. W. Beling.....	Rockaway Point Beach....	H. W. Bling
28.	Captain W. A. Hauffman.....	Rockaway Point Beach....	W. A. Hauffman
May 25.	Commodore H. W. Beling.....	Rockaway Point Cove....	Miss H. Lard
31.	Commodore H. W. Beling.....	Rockaway Point Cove....	Unknown
	Captain W. A. Hauffman.....	Rockaway Point Cove....	Unknown
June 7.	Commodore H. W. Beling.....	Rockaway Point Cove....	Unknown
15.	Commodore H. W. Beling.....	Rockaway Point Cove....	Mrs. Roth
	Commodore H. W. Beling.....	Rockaway Point Cove....	Roy Martin
29.	Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	Clyde Claus
	Commodore H. W. Beling.....	Rockaway Point Cove....	Miss Morris
July 12.	Sr. Lieut. Norman F. Dahl....	Rockaway Point Cove....	Miss Bowman
13.	Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	Clyde Claus
19.	Commodore H. W. Beling.....	Rockaway Point Cove....	Mr. Harmon
20.	Commodore H. W. Beling.....	Rockaway Point Cove....	Mr. Hall
	Commodore H. W. Beling.....	Rockaway Point Cove....	Harry W. Beling
	Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	Harry Schmidt
Aug. 1.	Commodore H. W. Beling.....	Rockaway Point Cove....	Arthur Dentor
4.	Commodore H. W. Beling.....	Rockaway Point Cove....	William Lewis
	Commodore H. W. Beling.....	Rockaway Point Cove....	Miss Cole
5.	Commodore H. W. Beling.....	Rockaway Point Cove....	John Hyde
	Commodore H. W. Beling.....	Rockaway Point Cove....	Unknown
	Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	Miss K. Smith
	Sr. Lieut. Dahl.....		
	7. Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	Miss R. Johnson
	Sr. Lieut. Dahl.....		
8.	Coxswain Leo Martenson.....	Rockaway Point Cove....	Leo W. Mortenson
Sept. 2.	Captain W. A. Hauffman.....	Rockaway Point Cove....	Captain W. A. Hauffman
9.	Commodore H. W. Beling.....	Rockaway Cove Point....	Mr. Say
12.	Act. Captain W. A. Hauffman..	Rockaway Point Cove....	W. Hauffman
13.	Act. Captain W. A. Hauffman..	Rockaway Point Cove....	W. Hauffman
14.	Act. Captain W. A. Hauffman..	Rockaway Point Cove....	W. Hauffman
16.	Commodore H. W. Beling.....	Rockaway Point Cove....	Mr. Newell
17.	Commodore H. W. Beling.....	Rockaway Point Cove....	Miss Little
	Commodore H. W. Beling.....	Rockaway Point Cove....	Mr. Howard
18.	Commodore H. W. Beling.....	Rockaway Point Cove....	Miss Collins
23.	Surgeon's Mate Clyde Claus...	Rockaway Point Cove....	T. Mortenson
24.	Commodore H. W. Beling.....	Rockaway Point Cove....	Mr. Wandum
	Commodore H. W. Beling.....	Rockaway Point Cove....	H. W. Beling
	Act. Captain W. A. Hauffman..	Rockaway Point Cove....	A. J. Kock
25.	Commodore H. W. Beling.....	Rockaway Point Cove....	Harry W. Beling
26.	Commodore H. W. Beling.....	Rockaway Point Cove....	Harry W. Beling
27.	Commodore H. W. Beling.....	Rockaway Point Cove....	H. W. Beling
28.	Commodore H. W. Beling.....	Rockaway Point Cove....	H. W. Beling
29.	Commodore H. W. Beling.....	Rockaway Point Cove....	H. W. Beling

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Sept.	29. Captain W. A. Haufman.....	Rockaway Point Cove.....	Mrs. E. Cavelli
	30. Captain W. W. Haufman.....	Rockaway Point Cove.....	W. A. Haufman
	31. Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	William Lally
	Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	Theo Martenson
	1. Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	C. Claus
	Captain W. A. Haufman.....	Rockaway Point Cove.....	W. A. Haufman
	Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	Theo Martenson
	Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	William Lally
	9. Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	Miss R. Johnson
	Sr. Lieut. Dahl.....		
	14. Captain W. A. Haufman.....	Rockaway Point Cove.....	Gertrude M. Rothaug
	Commodore H. W. Beling.....	Rockaway Point Cove.....	H. W. Beling
Aug.	13. Surgeon's Mate Clyde Claus....	Rockaway Point Cove.....	H. B. Parker
	18. Surfman A. Humphreys.....	Rockaway Point Cove.....	C. M. Kapel
	24. Surfman A. Humphreys.....	Rockaway Point Cove.....	Unknown
Sept.	14. Surfman O. Bulow.....	Rockaway Point Cove.....	F. G. Brunken
July	7. Life Guard E. Luc.....	Tent City.....	Margaret Ryan
	Life Guard E. Luc.....	Tent City.....	Frank Brown
	16. Life Guard E. Luc.....	Tent City.....	John O'Brien
	19. Life Guard E. Luc.....	Tent City.....	Harry Thunberry
	26. Captain James Redmond.....	Tent City.....	Margaret Reilly
	Captain James Redmond.....	Tent City.....	Martin Eagen
	27. Captain James Redmond.....	Tent City.....	Mrs. Allen
	Captain James Redmond.....	Tent City.....	Walter Sommahayes
	Captain James Redmond.....	Tent City.....	James Irving
	29. Captain James Redmond.....	Tent City.....	Walter Ransburg
Jan.	1. Surfman Charles Schieber.....	Broad Channel.....	Mrs. Woodhouse
	16. Surfman Charles Schieber.....	Broad Channel.....	George Bowers
	Surfman Charles Schieber.....	Broad Channel.....	Florence Whitenburg
	Surfman Charles Schieber.....	Broad Channel.....	Dorothy Holley
April	20. Captain O. C. Birnbrauer.....	Broad Channel.....	Martin Kassar
May	11. Captain O. C. Birnbrauer.....	Broad Channel.....	Lillian Ward
	25. Captain O. C. Birnbrauer.....	Broad Channel.....	Fred Schiel
	Captain O. C. Birnbrauer.....	Broad Channel.....	James Gillespie
	28. Captain O. C. Birnbrauer.....	Broad Channel.....	Michael Bifano
	30. Captain O. C. Birnbrauer.....	Broad Channel.....	Joseph Pitento
June	8. Captain O. C. Birnbrauer.....	Broad Channel.....	Joseph Pitento
	14. Captain O. C. Birnbrauer.....	Broad Channel.....	William Hugel
	Captain O. C. Birnbrauer.....	Broad Channel.....	Jack Windhorst
	Captain O. C. Birnbrauer.....	Broad Channel.....	Sam Meyers
	15. Captain O. C. Birnbrauer.....	Broad Channel.....	O. C. Birnbrauer
	Captain O. C. Birnbrauer.....	Broad Channel.....	Charles Kollmer
	21. Captain O. C. Birnbrauer.....	Broad Channel.....	Earland Lindeburg
	22. Captain O. C. Birnbrauer.....	Broad Channel.....	James Wens
	Captain O. C. Birnbrauer.....	Broad Channel.....	O. C. Birnbrauer
	30. Captain O. C. Birnbrauer.....	Broad Channel.....	Mrs. Deede
July	3. Captain O. C. Birnbrauer.....	Broad Channel.....	Leonard Mackenson
	Captain O. C. Birnbrauer.....	Broad Channel.....	James Wens
	4. Captain O. C. Birnbrauer.....	Broad Channel.....	Mrs. L. Birnbrauer
	Captain O. C. Birnbrauer.....	Broad Channel.....	Charles Kollmer
	7. Captain O. C. Birnbrauer.....	Broad Channel.....	Milton Loeffler
	11. Captain O. C. Birnbrauer.....	Broad Channel.....	Alice Hennessy
	Captain O. C. Birnbrauer.....	Broad Channel.....	William M. Culin
	12. Captain O. C. Birnbrauer.....	Broad Channel.....	Helen Lilane
	13. Captain O. C. Birnbrauer.....	Broad Channel.....	Milton Loeffler
	14. Captain O. C. Birnbrauer.....	Broad Channel.....	Dorothy Robey
	16. Captain O. C. Birnbrauer.....	Broad Channel.....	Robert Schwind
	Captain O. C. Birnbrauer.....	Broad Channel.....	Edward Hickey
	Captain O. C. Birnbrauer.....	Broad Channel.....	Mabel Robinson
	17. Captain O. C. Birnbrauer.....	Broad Channel.....	William Loeffler

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Date 1919	Members rendering " first aid	Place where	Persons assisted
July	19. Captain O. C. Birnbrauer	Broad Channel	Edna Loeffler
	Captain O. C. Birnbrauer	Broad Channel	Victor Borkden
	20. Captain O. C. Birnbrauer	Broad Channel	George Whitehouse
	Captain O. C. Birnbrauer	Broad Channel	Lillian George
	23. Captain O. C. Birnbrauer	Broad Channel	O. C. Birnbrauer
	Captain O. C. Birnbrauer	Broad Channel	O. C. Birnbrauer
	24. Lieut. R. S. Schurad	Broad Channel	Jack North
	27. Captain O. C. Birnbrauer	Broad Channel	William Loeffler
	Captain O. C. Birnbrauer	Broad Channel	A. Siegler
	Captain O. C. Birnbrauer	Broad Channel	Captain Morgan
Aug.	Captain O. C. Birnbrauer	Broad Channel	William Loeffler
	3. Captain O. C. Birnbrauer	Broad Channel	Joseph Pitento
	10. Captain G. H. Morgan	Broad Channel	M. B. Johnson
	Captain O. C. Birnbrauer	Broad Channel	William Loeffler
	Captain O. C. Birnbrauer	Broad Channel	Dorothy Robey
	12. Captain O. C. Birnbrauer	Broad Channel	A. Siegler
	14. Captain O. C. Birnbrauer	Broad Channel	Edna Loeffler
	16. Captain O. C. Birnbrauer	Broad Channel	Mildred Loeffler
	Captain O. C. Birnbrauer	Broad Channel	Wilbur Forman
	17. Captain Herbert Morgan	Broad Channel	Joseph Steinenger
Sept.	Captain O. C. Birnbrauer	Broad Channel	Joseph Pitento
	29. Lieut. R. Schurad	Broad Channel	G. H. Morgan
	30. Captain O. C. Birnbrauer	Broad Channel	William Deede
	Captain O. C. Birnbrauer	Broad Channel	Vincent Rafferty
	Captain O. C. Birnbrauer	Broad Channel	Edna Loeffler
	Captain O. C. Birnbrauer	Broad Channel	Helen Lilane
	Captain G. H. Morgan	Broad Channel	Bill Philip
	1. Captain G. H. Morgan	Broad Channel	Miss Swan
	Captain G. H. Morgan	Broad Channel	Bill Forman
	7. Captain G. H. Morgan	Broad Channel	Myrtle Johnson
May	13. Boatswain Bill Forman	Broad Channel	G. H. Morgan
	14. Boatswain Bill Forman	Broad Channel	G. Herbert Morgan
	Captain G. H. Morgan	Broad Channel	Miss Seibert
	21. Lieut. Robert Schurad	Broad Channel	Amond Van Norton
	31. Jr. Lieut. Knoche	Howard Beach	Herbert Cochrane
June	14. Jr. Lieut. Knoche	Howard Beach	Miss V. Roberts
	15. Jr. Lieut. Knoche	Howard Beach	Miss Anna Wittmann
	Jr. Lieut. Knoche	Howard Beach	John Woodward
	22. Jr. Lieut. Knoche	Howard Beach	Geo. F. Laubendorfer
	7. Jr. Lieut. Knoche	Howard Beach	M. E. Dowling
	27. Jr. Lieut. Knoche	Howard Beach	Mrs. R. Camps
	3. Jr. Lieut. Knoche	Howard Beach	Arthur Valfer
	Captain Geo. F. Laubendorfer	Howard Beach	Ann Wittmann
	Jr. Lieut. Knoche	Howard Beach	Mae Walters
	2. Captain Geo. F. Laubendorfer	Howard Beach	Ed. MacLauchlan
Sept.	22. Commodore C. E. Raynor	Old Mill	Unknown
June	4. Sr. Lieut. S. A. Plats	Pleasant Point	Chas. Grant
July	20. Sr. Lieut. S. A. Plats	Pleasant Point	Clifford Volkman
	24. Surfman Geo. Norton	Pleasant Point	Unknown
	25. Surfman Geo. Norton	Pleasant Point	Unknown
	26. R. McCarthy	Pleasant Point	Unknown
	27. Commodore Chas. E. Raynor	Pleasant Point	Unknown
	Captain J. Wien	Pleasant Point	John Curry
	31. Surfman Geo. Norton	Pleasant Point	George Norton
	9. Coxswain E. Lackenbauer	Pleasant Point	Paul Koban
	Coxswain E. Lackenbauer	Pleasant Point	Clifford Volkman
	Coxswain E. Lackenbauer	Pleasant Point	Morris Genna
Aug.	23. Surfman Geo. Norton	Pleasant Point	Irving McDowal
	Surfman Geo. Norton	Pleasant Point	Jas. Watson
	Surfman Geo. Norton	Pleasant Point	Paul Koban

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug.	24. Surfman Ed. J. Carlin.....	Pleasant Point.....	E. Lackenbauer
	Coxsain E. Lackenbauer.....	Pleasant Point.....	Ed Singer
	25. Surfman Norton.....	Pleasant Point.....	Joseph Gutrich
	Surfman Norton.....	Pleasant Point.....	Peter Malone
	Surfman Norton and William Lackenbauer.....	Pleasant Point.....	Harry Weber
	Surfman Geo. Norton.....	Pleasant Point.....	Frits Birkenfeld
Sept.	3. Surfman Geo. Norton.....	Pleasant Point.....	Chas. Schumacher
	2. Sr. Lieut. A. Plats.....	Pleasant Point.....	Miss Jess Hesenel
June	12. Surfman J. Connors.....	Hell Gate.....	William James
Sept.	9. Surfman W. Gibbons.....	Hell Gate.....	E. Coleman
July	5. Surfman F. Galbraith.....	Whitestone, district 12.....	Unknown woman
	7. Acting Captain A. F. Brownley.....	Whitestone, district 12.....	Mrs. Newbury
	29. Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Anna Lind
Aug.	9. Captain A. F. Brownley.....	Whitestone, district 12.....	Elenor Gerard
	16. Captain A. F. Brownley.....	Whitestone, district 12.....	Julia Knowles
	17. Captain A. F. Brownley.....	Whitestone, district 12.....	John Langdon
	21. Captain A. F. Brownley.....	Whitestone, district 12.....	Wm. McLane
	Captain A. F. Brownley.....	Whitestone, district 12.....	Miss M. Murray
	29. Captain A. F. Brownley.....	Whitestone, district 12.....	Thomas Moore
	Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Joseph Bevan
	30. Capt. A. F. Brownley.....	Whitestone, district 12.....	R. J. Bell
	31. Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Edna Welsh
Sept.	1. Captain A. F. Brownley.....	Whitestone, district 12.....	Grace Foster
	6. Captain A. F. Brownley.....	Whitestone, district 12.....	George Walsh
	7. Captain A. F. Brownley.....	Whitestone, district 12.....	Alice Johnson
	Captain A. F. Brownley.....	Whitestone, district 12.....	Jane Goodbine
	10. Sr. Lieut. H. E. Henke.....	Whitestone, district 12.....	Elenor Richards
	Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Lillian Browne
	11. Captain A. F. Brownley.....	Whitestone, district 12.....	William Dyer
	Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Frances McFarlane
	17. Sr. Lieut. H. E. Henke.....	Whitestone, district 12.....	Joseph Lucas
	19. Captain A. F. Brownley.....	Whitestone, district 12.....	May Sullivan
	20. Jr. Lieut. A. Schweeman.....	Whitestone, district 12.....	Alice Roth
	28. Captain A. F. Brownley.....	Whitestone, district 12.....	John Sheldon
Oct.	5. Captain A. F. Brownley.....	Whitestone, district 12.....	F. McDonald
	15. Sr. Lieut. H. E. Henke.....	Whitestone, district 12.....	Marie DeCulty

RESCUES

ROCKAWAY POINT BEACH

Date 1919	Member making rescue	Place where	Person rescued
June	15. Commodore Henry Beling.....	Rockaway Point Beach....	Man and woman
Sept.	7. Commodore Henry Beling.....	Rockaway Point Beach....	Miss N. Nickel
	9. Surfman Burke.....	Rockaway Point Beach....	Young girl
	31. Commodore Henry Beling.....	Rockaway Point Beach....	{ C. Camman S. P. Kellaher Hugh Kellaher H. Lambert

TENT CITY

July	7. Life Guard Luo.....	Tent City.....	Helen Evans
	11. Life Guard Luo.....	Tent City.....	Arthur Wolf

HOWARD BEACH

July	13. Jr. Lieut. Geo. F. Knoche.....	Howard Beach.....	Walter Fleming
	27. Jr. Lieut. Geo. F. Knoche... } Sr. Lieut. Ralph C. Savoye.. }	Howard Beach.....	Florence Roberts

WHITESTONE

DISTRICT No. 12

Date 1919	Member making rescue	Place where	Person rescued
Sept.	1. Sr. Lieut. H. E. Henke.....	Whitestone, district No. 12..	Kenneth Wensler
	12. Surfman Fred'k W. Galbraith..	Whitestone, district No. 12..	John Sinclair
	Surfman Fred'k W. Galbraith..	Whitestone, district No. 12..	Walter Bloomfield

HELL GATE

May	24. Surfman Fred C. Meyers.....	Hell Gate.....	Fred Fitser
	Jr. Lieut. John Hock.....	Hell Gate.....	Schell, Nick Provo and son
	Surfman Fred C. Meyers.....		
	Surfman Fred C. Meyer.....	Hell Gate.....	Fred Fitser

PERSONS ASSISTED

WHITESTONE

DISTRICT No. 2

Date 1919	Member giving assistance	Place where	Persons assisted
July	19. 2d Lieut. H. E. Henke.....	Whitestone, district No. 2..	Miss Olsenen
	2d Lieut. H. E. Henke.....	Whitestone, district No. 2..	Unknown
	2d Lieut. H. E. Henke.....	Whitestone, district No. 2..	Unknown
Aug.	17. 2d Lieut. H. E. Henke.....	Whitestone, district No. 2..	Mrs. Mitchel and child

HOWARD BEACH

Aug.	21. Surfman C. W. Townsend.....	Howard Beach.....	Mrs. E. Harrison
	26. Surfman C. W. Townsend.....	Howard Beach.....	Miss G. Duffer
	31. Surfman Harold Garrison.....	Howard Beach.....	J. A. Ross
	Jr. Lieut. Knoche.....	Howard Beach.....	John P. Halloran
	Jr. Lieut. Knoche.....	Howard Beach.....	F. Cannon

BOATS ASSISTED

PLEASANT POINT, OLD MILL

Date 1919	Members giving assistance	Place where	Boats assisted
March	25. Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat (3 persons)
June	1. Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Launch (8 people)
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat (7 people)
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat (5 people)
	22. Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat (5 people)
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Launch (4 people)
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Launch (3 people)
July	19. Captain Wien, Sr. Lieut. A. Platz, Surfman J. Specht....	Pleasant Point, Old Mill....	Sail boat (2 people)
	21. Surfman E. Lackenbauer.....	Pleasant Point, Old Mill....	Motor boat
	Surfman J. Specht.....	Pleasant Point, Old Mill....	Motor boat
	Captain Wien and Surfman J. Specht.....	Pleasant Point, Old Mill....	Launch "Dot"
	26. Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Launch
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat
Aug.	17. Captain Wien, Jr. Lieut. Specht, Coxswain Lackenbauer, Surfman T. Norton.....	Pleasant Point, Old Mill....	Tender "Mary S"
	Captain Wien, Jr. Lieut. Specht, Coxswain Lackenbauer, Surfman T. Norton.....	Pleasant Point, Old Mill....	Row boat
	Captain Wien, Jr. Lieut. Specht, Coxswain Lackenbauer, Surfman T. Norton.....	Pleasant Point, Old Mill....	Sail boat

Date 1919	Member giving assistance	Place where	Persons assisted
Aug. 18.	Commodore C. E. Raynor....	Pleasant Point, Old Mill....	Row boat
	H. James.....		
	19. Surfman Geo. Norton.....	Pleasant Point, Old Mill....	Motor boat
Sept. 2.	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Launch
	Commodore C. E. Raynor.....	Pleasant Point, Old Mill....	Row boat (girl)

BROAD CHANNEL

Sept. 17.	Captain O. C. Birnbrauer.....	Broad Channel.....	Canoe
	26. Captain O. C. Birnbrauer.....	Broad Channel.....	Row boat (2 people)

HOWARD BEACH

May 31.	Jr. Lieut. Knoche.....	Howard Beach.....	Boat
	Jr. Lieut. Knoche.....	Howard Beach.....	Launch
June 14.	Jr. Lieut. Knoche.....	Howard Beach.....	Motor boat (4 people)
	8. Surfman E. Hirst and Boat- swain Fred C. Meyer.....	Hell Gate.....	Launch "Siven" (three men)
July 6.	Surfman E. Flood.....		
	Surfman G. Schunwachter and Jr. Lieut. John Hock..	Hell Gate.....	Launch "Rose "
	Surfman J. Hunter.....	Hell Gate.....	Launch "Veronica "
	Jr. Lieut. John Hock.....	Hell Gate.....	Launch "Spray "
	27. Sr. Lieut. W. Wooditt.....	Hell Gate.....	Launch "Brenda "
	Surfman J. Boesler.....	Hell Gate.....	Cruiser "Sirven "
	Surfman E. Flood.....	Hell Gate.....	Yacht "Daysocoe "
	Surfman G. Silanwalk.....		
	Jr. Lieut. John Hock.....		
Sept. 1.	Surfman G. Schanwachter...	Hell Gate.....	Launch "Rose "
	Jr. Lieut. John Hock and Surfman E. Flood.....		
Oct. 26.	Surfman Elmer Hirst.....	Hell Gate.....	Launch "Grace "

BODIES RECOVERED

Date 1919	Members giving assistance	Place where	Bodies recovered
May 18.	Jr. Lieut. John Hock.....	Hell Gate.....	James Ross
	Surfman Fred C. Meyer.....		
	Jr. Lieut. John Hocke.....	Hell Gate.....	{ A. Nelson Wm. Scheel

WRECKAGE

Date 1919	Members giving assistance	Place where	Wreckage removed
May 18.	Commodore C. E. Raynor.....	Pleasant Point Old Mill....	Stump
June 14.	Captain Laubendorfer.....	Howard Beach.....	Cleaned beach of wreck- age
	Jr. Lieut. Knoche.....		
July 5.	Jr. Lieut. Knoche.....	Howard Beach.....	Cleaned beach of wreck- age

ROCKAWAY POINT COVE

Aug. 23.	Commodore H. Beling.....	Rockaway Point Beach.....	Log
	Commodore H. M. Beling.....	Rockaway Point Cove.....	Glass

BOROUGH OF RICHMOND

FIRST AID

ST. GEORGE DIVISION

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Jan.	2. Captain C. H. Hall.....	St. George Division.....	Jas. Manard
	14. Captain C. H. Hall.....	St. George Division.....	Benjamin Thall
	18. Captain C. H. Hall.....	St. George Division.....	Wm. Bush
	19. Surfman Jas. Smith.....	St. George Division.....	Dasual Lynck
	Surfman Wm. Bruns.....	St. George Division.....	Angelo Vertus
	21. Captain C. H. Hall.....	St. George Division.....	John Hollander
	25. F. F. Williams.....	St. George Division.....	Matthew Noonan
	27. Sr. Lieut. Thos. Casey.....	St. George Division.....	Samuel Hyde
	28. Sr. Lieut. Thos. Casey.....	St. George Division.....	John E. Reilly
	29. Captain C. H. Hall.....	St. George Division.....	John Tinker
Feb.	6. Captain C. H. Hall.....	St. George Division.....	John Kimpton
	7. Captain C. H. Hall.....	St. George Division.....	Geo. P. Ransenger
Mar.	13. Captain C. H. Hall.....	St. George Division.....	Peter Boyland
	10. Surfman Jas. Smith.....	St. George Division.....	John Russell
	17. Captain C. H. Hall.....	St. George Division.....	Michael McNulty
	18. Captain C. H. Hall.....	St. George Division.....	Edward Newnell
April	23. Surfman Jas. Smith.....	St. George Division.....	Manuel Higgins
	1. Surfman Jas. Smith.....	St. George Division.....	Lewis A. Vollert
	7. Captain C. H. Hall.....	St. George Division.....	Antonio Volupe
	15. Surfman E. Newell.....	St. George Division.....	Francis Morrell
	17. Surfman Joseph Carey.....	St. George Division.....	Robert Berchu
	20. Captain C. H. Hall.....	St. George Division.....	John Fallon
	22. Surfman Jas. Smith.....	St. George Division.....	John Sinstrem
May	26. Surfman Jas. Smith.....	St. George Division.....	John G. Stokes
	8. Sr. Lieut. Thos. Casey.....	St. George Division.....	John Steths
	10. Surfman Wm. Bruns.....	St. George Division.....	Leo Francis
	20. Surfman Jas. Smith.....	St. George Division.....	Robert Rue
	22. Captain C. H. Hall.....	St. George Division.....	Patrick Scееhan
June	Sr. Lieut. Thos. Casey.....	St. George Division.....	John Moran
	15. Surfman Jas. Smith.....	St. George Division.....	Allie Hanlay
	17. Surfman Jas. Smith.....	St. George Division.....	Tony Balibato
	26. Surfman Jas. Smith.....	St. George Division.....	John O'Brien
	27. Surfman Jas. Smith.....	St. George Division.....	Lawrence T. Valentine
	28. Sr. Lieut. Thos. Casey.....	St. George Division.....	Thos. Casey
	30. Captain C. H. Hall.....	St. George Division.....	James Morrow
July	2. Captain C. H. Hall.....	St. George Division.....	Henry Cooper
	3. Captain C. H. Hall.....	St. George Division.....	J. Bissiger
	Surfman Joseph Carey.....	St. George Division.....	Jas. Farganno
	5. Sr. Lieut. Thos. Casey.....	St. George Division.....	C. H. Hall
	Captain C. H. Hall.....	St. George Division.....	James McCleanman
	8. Captain C. H. Hall.....	St. George Division.....	John Numan
	13. Surfman Wm. Barry.....	St. George Division.....	Chas. Galliger
	18. Surfman Jas. Smith.....	St. George Division.....	Frank Gray
	22. Captain C. H. Hall.....	St. George Division.....	Martin Quinn
	24. Captain C. H. Hall.....	St. George Division.....	John W. Hannon
Aug.	26. Captain C. H. Hall.....	St. George Division.....	Joseph Driscoll
	27. Surfman Jas. Smith.....	St. George Division.....	John Russell
	1. Captain C. H. Hall.....	St. George Division.....	James Ritchie
	4. Captain C. H. Hall.....	St. George Division.....	George Magee
	12. Surfman Jas. Smith.....	St. George Division.....	Joseph Apruzzese
	Sr. Lieut. Thos. Casey.....	St. George Division.....	Walter Wramm
	13. Surfman Jas. Smith.....	St. George Division.....	James Kenney
	14. Sr. Lieut. Thos. Casey.....	St. George Division.....	John J. Farrell
	16. Captain C. H. Hall.....	St. George Division.....	J. Bissiggar

Date 1919	Members rendering " first aid	Place where	Persons assisted
Aug.	18. Captain C. H. Hall	St. George Division	Thrs. Carey
Sept.	4. Captain C. H. Hall	St. George Division	C. H. Hall
	11. Captain C. H. Hall	St. George Division	Melvin Woodward
	20. Captain C. H. Hall	St. George Division	Unknown
Oct.	4. Captain C. H. Hall	St. George Division	John Tinker
	8. Sr. Lieut. Thos. Casey	St. George Division	Otto Weller
	9. Surfman Jas. Smith	St. George Division	Fred Carr
	10. Surfman Jas. Smith	St. George Division	Frank Corasco
	17. Surfman James Ritchie	St. George Division	Louis Brun
Nov.	2. Captain C. H. Hall	St. George Division	Maurice Quinlan
	13. Captain C. H. Hall	St. George Division	James Kinny
	28. Captain C. H. Hall	St. George Division	David Gausner
Dec.	17. Surfman Wm. H. Bruns	St. George Division	James Heil
	20. Captain C. H. Hall	St. George Division	W. J. McGee
May	30. Boatswain J. E. Dickson	South Beach	Felix Ciampa
	Boatswain J. E. Dickson	South Beach	Richard Schumacher
	31. J. Conway	South Beach	Charles Dundee
	J. Conway	South Beach	George Zillo
	J. Conway	South Beach	Billy Troxai
	J. Conway and J. Morris	South Beach	F. Suters
	Commodore Garnett and H. M. Conway	South Beach	C. Curley
June	1. Captain Nevill	South Beach	M. Drownmond
	6. Commodore G. Garnett	South Beach	Al Bendeck
	7. J. Dickson	South Beach	Lewis Harris
	Surfman J. Dickson	South Beach	Emil Sente
	Surfman J. Dickson	South Beach	F. Melone
	11. J. Conway	South Beach	Chas. Gumbard
	J. Conway	South Beach	R. Hellere
	12. J. Conway	South Beach	J. G. Cory
	J. Conway	South Beach	Joe Curly
	J. Conway	South Beach	Tom Smith
	J. Conway	South Beach	J. Dickson
	15. Commodore G. Garnett	South Beach	Tony Fachine
	Joe Cury	South Beach	Joseph Curly
	16. J. Conway	South Beach	Joe Dickson
	Surg. Mate J. Morris	South Beach	Joseph H. Moschetto
	Surg. Mate J. Morris	South Beach	Salvatore Saratoni
	17. J. Conway	South Beach	Sam Morricio
	Commodore G. Garnett	South Beach	R. Hellier
	19. J. Conway	South Beach	Eleanor Deegan
	19. J. Conway	South Beach	Joe Dickson
	20. Joe Dickson	South Beach	B. Stephen
	J. Conway	South Beach	Donald Butler
	Surfman J. Dickson	South Beach	John Conway
	21. Surfman J. Dickson	South Beach	J. E. Dickson
	Harold LeFourneur	South Beach	M. Brown
	E. Feist	South Beach	Elmer Shonander
	Surfman J. Dickson	South Beach	T. Smith
	22. Surfman Joe Dickson	South Beach	H. A. Simons
	Chas. Curley	South Beach	Paul Matthes
	22. W. B. Stephens	South Beach	L. Mersolla
	Chas. Crane	South Beach	Joe. A. Forregeosa
	Wm. E. Levine	South Beach	J. Tourso
	Chas. Crane	South Beach	Joseph Indelecato
	23. Surfman F. Hubeck	South Beach	Thomas Neuhart
	26. Joe Carley	South Beach	Carolina Contrno
	Surfman L. Verbeck	South Beach	John Mulaly
	J. Conway, Dickson Stevens, Carley and B. Simpson	South Beach	Dan Hanom

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	28. Commodore G. Garnett and J. Conway.....	South Beach.....	May Atkinson
	J. Conway.....	South Beach.....	Arthur Wallack
	29. Boatswain Wm. V. Levine.....	South Beach.....	John Tad
	J. Conway.....	South Beach.....	Leo Small
	Captain Andrew Newill.....	South Beach.....	Joseph Pillithri
	Surfman J. Dickson.....	South Beach.....	B. Stephan
	Surfman J. Dickson.....	South Beach.....	Harold LeTourneur
	Surfman Charles Lane.....	South Beach.....	William Roll
	29. Surfman J. Conway.....	South Beach.....	Edward Bias
July	3. Surfman J. Dickson.....	South Beach.....	M. Lanson
	Surfman M. Marrow.....	South Beach.....	J. Prestopino
	4. Boatswain Wm. Levine.....	South Beach.....	Arthur Balletti
	J. Conway.....	South Beach.....	Wymray Miller
	Surg. Mate J. Morris.....	South Beach.....	Philip George
	Boatswain Wm. Levine.....	South Beach.....	D. Corcoran
	Boatswain Wm. Levine.....	South Beach.....	Carl Behlen
	Surfman George O'Brein.....	South Beach.....	Leo Zimmo
	Surfman Richard Walsh.....	South Beach.....	Nicholas Cardog
	Surfman C. Crane.....	South Beach.....	Henriet McNeil
	J. Carley.....	South Beach.....	Frank Monte
	Boatswain J. Dickson.....	South Beach.....	John Doe
	Boatswain J. Dickson.....	South Beach.....	Bruno Marriello
	Boatswain J. Dickson.....	South Beach.....	Thos. Fangredi
	Surfman George O'Brien.....	South Beach.....	Louis Menoli
	Sr. Lieut. Al Ruman.....	South Beach.....	J. Ruth
	5. Commodore G. Garnett.....	South Beach.....	J. Sorge
	Surfman F. W. Simpson.....	South Beach.....	Michel Straniero
	Coxswain W. DeMattlo.....	South Beach.....	M. Lucchi
	J. Conway.....	South Beach.....	G. Cieri
	Surfman Jameson.....	South Beach.....	Mrs. Gagao
	Surfman T. Smith.....	South Beach.....	E. Gorman
	Commodore G. Garnett.....	South Beach.....	J. Malone
	Sr. Lieut. Albert Rumann.....	South Beach.....	Val Pabst
	6. Sr. Lieut. Albert Rumann.....	South Beach.....	I. Marina
	J. Curley.....	South Beach.....	Romelda Possi
	Commodore G. Garnett.....	South Beach.....	Joe Barmondo
	Surfman T. Smith.....	South Beach.....	Ruth Winmartin
	Coxswain W. DeMatteo.....	South Beach.....	Joe Raymond
	Coxswain W. DeMatteo.....	South Beach.....	D. Pensinni
	R. Walsh.....	South Beach.....	William Cullow
	Coxswain C. Crane.....	South Beach.....	Ignats Curreri
	Coxswain C. Crane.....	South Beach.....	Joseph Belmont
	9. Surg. Mate Charlie Crane.....	South Beach.....	George Newell
	J. Conway.....	South Beach.....	Andrew Muller
	13. M. Feist.....	South Beach.....	Samuel Samson
	Chas. Crane.....	South Beach.....	Sue Harris
	Surfman G. Evans.....	South Beach.....	Bradia Dominick
	Surfman T. Smith.....	South Beach.....	Arthur Costigan
	Coxswain C. Crane.....	South Beach.....	Michael Ormaly
	18. J. Conway.....	South Beach.....	Joseph Fountain
	26. Coxswain M. G. DeMatteo.....	South Beach.....	M. DeYoung
	Coxswain M. G. DeMatteo.....	South Beach.....	Frank Vella
	Coxswain Joe Curley.....	South Beach.....	Anna Campplino
	27. Jr. Lieut. C. Curley.....	South Beach.....	F. Galie
	Jr. Lieut. Chas. Curley.....	South Beach.....	John Burke
	Jr. Lieut. Chas. Curley.....	South Beach.....	William Lee
	G. Newill.....	South Beach.....	N. Fitagrand
	Sr. Lieut. Albert Rumann.....	South Beach.....	Geo. Pulimoshoroff
	Surg. Mate J. Morris.....	South Beach.....	William Film

Date 1919	Members rendering " first aid "	Place where	Persons assisted
July	27. Surfman W. Stephens.....	South Beach.....	J. Spinicki
	Boatswain Wm. V. Levine.....	South Beach.....	V. Fiore
	Boatswain Wm. V. Levine.....	South Beach.....	A. Rill
	J. Conway.....	South Beach.....	Theo. Miller
	G. Newill.....	South Beach.....	Frank Miceli
	Surfman M. Stephens.....	South Beach.....	Mr. DeCrenier
	Coxswain Chas. Crane.....	South Beach.....	Chas. Brancato
	Surg. Mate John Morris.....	South Beach.....	James Tomassi
	Coxswain Chas. Crane.....	South Beach.....	Frank Walsh
	Boatswain Wm. V. Levine.....	South Beach.....	Frank Ryan
	Coxswain Joe Curley.....	South Beach.....	Collny
	Surfman Joe Curley and Geo. Moore.....	South Beach.....	Cresto DiFelici
	J. Conway.....	South Beach.....	H. Smiles
	J. Conway.....	South Beach.....	James Hanrathy
	J. Conway.....	South Beach.....	Walter Boutsehi
	J. Conway.....	South Beach.....	Joe Delmatego
	J. Conway.....	South Beach.....	A. Blueschall
	J. Conway.....	South Beach.....	H. Smiles
	J. Curley.....	South Beach.....	C. Sascial
	J. Conway.....	South Beach.....	Geo. Roof
	Boatswain Wm. V. Levine.....	South Beach.....	J. Deybach
	Boatswain Wm. V. Levine.....	South Beach.....	John Sburna
	Coxswain William Levine.....	South Beach.....	John Ladoletba
	Boatswain Wm. V. Levine.....	South Beach.....	A. Avisia
	Surfman T. Smith.....	South Beach.....	E. Tuttle
Aug.	3. Boatswain Wm. V. Levine.....	South Beach.....	Mary Maschi
	Surfman R. Jamison.....	South Beach.....	Sam Miranschuff
	Sr. Lieut. Albert Reiman.....	South Beach.....	John Sendaglia
	William Levine.....	South Beach.....	Thomas Gallagher
	Boatswain Wm. V. Levine.....	South Beach.....	Alfred Paduch
	10. Chas. Curley.....	South Beach.....	Edward Depaola
	Surfman Vincent Romeo.....	South Beach.....	Orazio Conti
	Surfman Vincent Romeo.....	South Beach.....	Caterino Curci
	Surfman W. LeTourneur and C. Carne.....	South Beach.....	Ben DiGiorgio
	Assistant Surg. Mate C. Crane.....	South Beach.....	Rosi DePaul
	Commodore G. Garnett.....	South Beach.....	Peter Lavani
	Assistant Surg. Mate C. Crane.....	South Beach.....	Antoinette Astor
	Assistant Surg. Mate C. Crane.....	South Beach.....	Jimmie Boldi
	Surfman W. Stephens.....	South Beach.....	Max Greenwald
	11. Surfman John Conway.....	South Beach.....	Mike Bromi
	J. Conway.....	South Beach.....	E. Coonley
	Surfman J. Conway.....	South Beach.....	Michel Martocci
	Surfman H. LeTourneur and Surfman Joe Dickson.....	South Beach.....	James Catrillo
	12. Coxswain C. Crane.....	South Beach.....	Mike Drury
	22. Surfman W. Stephens.....	South Beach.....	I. Malow
	Coxswain G. B. Moore.....	South Beach.....	Miss Suthilla
	23. Sr. Lieut. A. Reiman and J. M. Frost.....	South Beach.....	Louis Gatto
May	24. Surfman George F. O'Brien.....	South Beach.....	Mary Zito
	24. H. Carl.....	Ocean Edge.....	Walter Zahn
	25. Captain Heifen.....	Ocean Edge.....	John Deaton
	30. Peter O'Connor.....	Ocean Edge.....	Louis Blum
	31. Surfman Bill Carl.....	Ocean Edge.....	Enis Peregrine
	Captain W. Ahrens.....	Ocean Edge.....	O. Newman
	Captain W. Ahrens.....	Ocean Edge.....	S. Hollander
	Captain W. Ahrens.....	Ocean Edge.....	Clifford Jackson
	Louton Canaway.....	Ocean Edge.....	Harry Fisher

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
June	1. P. O'Connor.....	Ocean Edge.....	Eric Goldberg
	Sr. Lieut. Ted Poets.....	Ocean Edge.....	J. Murphy
	J. Brewogel.....	Ocean Edge.....	C. Fienberg
	H. Carl.....	Ocean Edge.....	Jake Mall
	H. Carl.....	Ocean Edge.....	Sam Bellows
	2. Surfman S. Bellows.....	Ocean Edge.....	Julius Baylis
	Surfman S. Bellows.....	Ocean Edge.....	Harvey Murrel
	Surfman S. Bellows.....	Ocean Edge.....	Eugene Hersh
	4. H. Carl.....	Ocean Edge.....	Wilbur Siebert
	8. Surfman S. Bellows.....	Ocean Edge.....	Joe Bardsge
	17. P. O'Connor.....	Ocean Edge.....	Cyril Van Regin
	Surfman Lincoln Cavanagh.....	Ocean Edge.....	William O'Hara
	18. Surfman Lincoln Cavanagh.....	Ocean Edge.....	John Whalen
	21. H. Carl.....	Ocean Edge.....	Harry Dunn
	Surfman S. Ernesthall.....	Ocean Edge.....	Wm. Walsh
	P. O'Connor.....	Ocean Edge.....	Henry Nolan
	Sr. Lieut. Ted Poets.....	Ocean Edge.....	Unknown
	25. W. Hanson.....	Ocean Edge.....	James McCarthy
	Surfman Sidney Ernesthall.....	Ocean Edge.....	Walter Meyer
	29. Surfman Sidney Ernesthall.....	Ocean Edge.....	J. L. Sheffman
July	3. P. O'Connor.....	Ocean Edge.....	Rudolph Hornburger
	P. O'Connor.....	Ocean Edge.....	John Reubins
	P. O'Connor.....	Ocean Edge.....	Samuel Goldberg
	4. Surfman L. Cavanagh.....	Ocean Edge.....	C. M. Fisher
	Surfman S. Ernesthall.....	Ocean Edge.....	V. Heonida
	5. Surfman S. Ernesthall.....	Ocean Edge.....	V. Valla
	6. Surfman L. Cavanagh.....	Ocean Edge.....	Walter Hanson
	Surfman Sam Bellows.....	Ocean Edge.....	Joe Stank
	8. P. O'Connor.....	Ocean Edge.....	John Dover
	P. O'Connor.....	Ocean Edge.....	Caesar Cicero
	P. O'Connor.....	Ocean Edge.....	John Hopper
	14. Surfman H. V. Luroott.....	Ocean Edge.....	Clarence Kennedy
	16. Sr. Lieut. Ted Poets.....	Ocean Edge.....	Unknown
	P. O'Connor.....	Ocean Edge.....	Wm. Frederick
	25. Surfman C. O'Connor.....	Ocean Edge.....	F. Fiorelli
	Sr. Lieut. Ted Poets.....	Ocean Edge.....	Deegan
	26. Surfman P. O'Connor.....	Ocean Edge.....	Edward Correll
	Surg. Mate Ed. Lurocott.....	Ocean Edge.....	Bob McCue
	27. H. Carl.....	Ocean Edge.....	S. Bellows
	Surfman C. O'Connor.....	Ocean Edge.....	Joe Larcia
	Surfman Francis Foley.....	Ocean Edge.....	Joseph G. Blake
	H. Carl.....	Ocean Edge.....	Ruth Nacht
	28. Surfman A. Nacht.....	Ocean Edge.....	Joe Laning
	Sr. Lieut. Ted Poets.....	Ocean Edge.....	E. Flad
	Captain W. H. Ahrens.....	Ocean Edge.....	Phil Albert
	Sr. Lieut. Ted Poets.....	Ocean Edge.....	Diers
	H. Carl.....	Ocean Edge.....	L. Swanson
	Captain William H. Ahrens.....	Ocean Edge.....	John Hopper
Aug.	30. P. O'Connor.....	Ocean Edge.....	Herman Alplin
	31. P. O'Connor.....	Ocean Edge.....	Horace Turoott
	H. Carl.....	Ocean Edge.....	Isabelle Truam
	2. Captain W. Ahrens.....	Ocean Edge.....	Frank Badame
	Surfman C. O'Connor.....	Ocean Edge.....	A. Gallagher
	3. Surfman S. Bellows.....	Ocean Edge.....	Walter Stub
	4. H. Carl.....	Ocean Edge.....	Frank Gunther
	Charles Winsch.....	Ocean Edge.....	H. Carl
	10. Surfman H. Ernesthal.....	Ocean Edge.....	John Lisse
	11. Frank Foley.....	Ocean Edge.....	William Spitzner
	14. Horace Luroott.....	Ocean Edge.....	Joseph Clements
	21. Jr. Lieut. C. O'Connor and Surfman W. Carl.....	Ocean Edge.....	Unknown

Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug. 23.	Surfman S. Bellows.....	Ocean Edge.....	Harry Muller
	27. Jr. Lieut. C. O'Connor.....	Ocean Edge.....	Michael Graziana
Sept.	7. Jr. Lieut. C. O'Connor.....	Ocean Edge.....	W. Carl
	8. Captain William Ahrens.....	Ocean Edge.....	William Lawrence
	10. P. O'Connor.....	Ocean Edge.....	John Hamerally
June	10. Commodore George C. Rand...	Southfield Beach.....	G. Plasch
	12. Surfman Charles Krone.....	Southfield Beach.....	Richard Williams
	13. Surfman Charles Krone.....	Southfield Beach.....	Ethel Goodman
	15. Surfman Charles Krone.....	Southfield Beach.....	Nettie Classic
	28. Surfman Charles Krone.....	Southfield Beach.....	Charles G. Craft
	Surfman Charles Krone.....	Southfield Beach.....	Charles Lognoto
	Surfman Charles Krone.....	Southfield Beach.....	Charles Clue
	29. Surfman Charles Krone.....	Southfield Beach.....	Sal Larusa
	Surfman Charles Krone.....	Southfield Beach.....	Herbert Peck
July	4. Surfman Charles Krone.....	Southfield Beach.....	Madeline, Adeline Quina
	5. Surfman Edward Waterson.....	Southfield Beach.....	Anthony Halin
	27. Commodore G. C. Rand.....	Southfield Beach.....	A. M. Satterlie
	Commodore G. C. Rand.....	Southfield Beach.....	James Quael
	28. Surfman Edward Waterson.....	Southfield Beach.....	K. Knopowag
	Surfman Edward Waterson.....	Southfield Beach.....	M. Colman
	Surfman Edward Waterson.....	Southfield Beach.....	J. Monts
	31. Commodore George C. Rand...	Southfield Beach.....	Jack Peters
Aug.	3. Surfman Otto Morath.....	Southfield Beach.....	A. Klump
	Surfman Otto Morath.....	Southfield Beach.....	George Howe
	Surfman Joseph McCarthy.....	Southfield Beach.....	Patrick McDermott
	Surfman Joseph McCarthy.....	Southfield Beach.....	M. Kidlar
	Surfman Joseph McCarthy.....	Southfield Beach.....	John Musalla
	Surfman Frank Barankow.....	Southfield Beach.....	E. F. Murty
	Surfman Frank Barankow.....	Southfield Beach.....	Edward Holan
	Surfman Frank Barankow.....	Southfield Beach.....	Dorothy Kucard
	Commodore George C. Rand...	Southfield Beach.....	Walter White
	10. Surfman Edward Waterson.....	Southfield Beach.....	H. Untied
	Surfman Edward Waterson.....	Southfield Beach.....	Mrs. Smith
	Surfman Joseph McCarthy.....	Southfield Beach.....	M. Adamthause
	12. Surfman Frank Barankow.....	Southfield Beach.....	A. Raff
	13. Surfman Edward Waterson.....	Southfield Beach.....	Harold Loomis
	15. Surfman Frank Barankow.....	Southfield Beach.....	George Betts
	Surfman Joseph McCarthy.....	Southfield Beach.....	S. P. Somoski
	Surfman Edward Waterson.....	Southfield Beach.....	Miss C. Farrar
	Surfman Edward Waterson.....	Southfield Beach.....	C. Craft
	17. Surfman Edward Waterson.....	Southfield Beach.....	Martha Dunn
	24. Commodore George C. Rand...	Southfield Beach.....	Isadore Glasman
	Commodore George C. Rand...	Southfield Beach.....	Lawrence Falham
	28. Surfman Joseph McCarthy.....	Southfield Beach.....	H. S. Ducey
	31. Commodore George C. Rand...	Southfield Beach.....	Thos. Mullin
	Commodore G. C. Rand.....	Southfield Beach.....	Fred Lude
Sept.	7. Commodore G. C. Rand.....	Southfield Beach.....	M. Taulpheous
	Commodore G. C. Rand.....	Southfield Beach.....	W. Mutiad
	15. Commodore G. C. Rand.....	Southfield Beach.....	M. Bleidt
	28. Commodore G. C. Rand.....	Southfield Beach.....	George Schuler
July	24. Captain Walter V. Enquist...	Ocean Breese.....	William Willomont
Aug.	7. Surg. Mate Emil J. Perrini...	Ocean Breese.....	George Streble
	8. Surg. Mate Emil J. Perrini...	Ocean Breese.....	Hattie Goddard
	9. Sr. Lieut. H. C. Emerson.....	Ocean Breese.....	Sidney Parker
	10. Captain Walter Enquist.....	Ocean Breese.....	S. W. Griffin
	27. Surfman R. G. Shields.....	Ocean Breese.....	Fred Roland
	28. Captain Walter Enquist.....	Ocean Breese.....	Horace Munery
Sept.	10. Captain Walter Enquist.....	Ocean Breese.....	Otto Sink
	14. Surg. Mate Emil J. Perrini...	Ocean Breese.....	George Streble
	20. Captain W. Enquist.....	Ocean Breese.....	Bill Murphy
	Surfman Axel Overman.....	Ocean Breese.....	Frank Dwyblow

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CAMP PRATT

Date 1919	Members ending "first aid"	Place where	Persons assisted
June	15. Surfman W. D. Cacho	Camp Pratt	Ernest Gropler
	Surfman W. D. Cacho	Camp Pratt	Walter Sticht
22.	Surfman W. D. Cacho	Camp Pratt	A. E. Fardon
	Captain E. T. Gropler	Camp Pratt	J. P. Mayer
23.	Surfman W. D. Cacho	Camp Pratt	Eugene Ahren
	Captain E. T. Gropler	Camp Pratt	H. Haack
29.	Captain E. T. Gropler	Camp Pratt	Walter Sticht
	Captain E. T. Gropler	Camp Pratt	M. Boyson
30.	Captain E. T. Gropler	Camp Pratt	Harold Summer
	Captain E. T. Gropler	Camp Pratt	J. P. Mayer
July	Captain E. T. Gropler	Camp Pratt	James Kelly
	30. Surfman W. D. Cacho	Camp Pratt	Teddy Kulster
4.	Surfman W. D. Cacho	Camp Pratt	Richards Sparks
	Surfman W. D. Cacho	Camp Pratt	Hutton Knight
5.	Surfman W. D. Cacho	Camp Pratt	Jas. Brown
	Surfman W. D. Cacho	Camp Pratt	Irving Sunshine
6.	Surfman W. S. Cacho	Camp Pratt	Otto Busch
	Captain E. T. Gropler	Camp Pratt	Geo. Budd
7.	Captain E. T. Gropler	Camp Pratt	Roderick McKensie
	Surfman W. D. Cacho	Camp Pratt	Paul Stopher Williams
8.	Surfman W. D. Cacho	Camp Pratt	John F. Palmer
	Surfman W. D. Cacho	Camp Pratt	Chas. Ferwald
9.	Surfman W. D. Cacho	Camp Pratt	Evariste L. Due
	Surfman W. D. Cacho	Camp Pratt	Albert G. Maslinks
10.	Captain E. T. Gropler	Camp Pratt	K. W. Skinner
	Captain E. T. Gropler	Camp Pratt	Leonard Bulfeld
11.	Captain E. T. Gropler	Camp Pratt	K. Wylie
	Sr. Lieut. E. Studhalter	Camp Pratt	Charles Krohn
12.	Captain E. T. Gropler	Camp Pratt	S. Lowe
	Captain E. T. Gropler	Camp Pratt	M. Blumenthal
13.	Captain E. T. Gropler	Camp Pratt	Wm. Higgins
	Captain E. T. Gropler	Camp Pratt	Adrain White
14.	Captain E. T. Gropler	Camp Pratt	Francis Burley
	Captain E. T. Gropler	Camp Pratt	Otis Starkey
15.	Surfman R. Bayeen	Camp Pratt	Julius Davis
	Captain E. T. Gropler	Camp Pratt	Adrain White
16.	Captain E. T. Gropler	Camp Pratt	Howard Summers Jr.
	Captain E. T. Gropler	Camp Pratt	Harry Miller
17.	Captain E. T. Gropler	Camp Pratt	Henry Straul
	Captain E. T. Gropler	Camp Pratt	A. Blumenthal
18.	Captain E. T. Gropler	Camp Pratt	A. Blumenthal
	Captain E. T. Gropler	Camp Pratt	W. Shearer
19.	Captain E. T. Gropler	Camp Pratt	Ed. Suffel
	Captain E. T. Gropler	Camp Pratt	John Steinburg
20.	Captain E. T. Gropler	Camp Pratt	E. Schinkel
	Surfman W. Cacho	Camp Pratt	A. Blumenthal
21.	Surfman W. D. Cacho	Camp Pratt	Thos. O'Keefe
	Surfman W. D. Cacho	Camp Pratt	Francois M. Hine
22.	Surfman W. D. Cacho	Camp Pratt	Chas. Seikel
	Surfman W. D. Cacho	Camp Pratt	Benjamin Soreven
23.	Surfman W. D. Cacho	Camp Pratt	Harold Skinner
	Surfman S. White	Camp Pratt	M. Barrow
24.	Surfman W. D. Cacho	Camp Pratt	Fred Hoffman
	Surfman W. D. Cacho	Camp Pratt	Walter Mackiewics
25.	Surfman W. D. Cacho	Camp Pratt	Ernest Vehrunkamp
	Surfman W. D. Cacho	Camp Pratt	John Blume
26.	Surfman W. D. Cacho	Camp Pratt	John Rademacher
	Surfman W. D. Cacho	Camp Pratt	Harry Scofield
27.	Surfman W. D. Cacho	Camp Pratt	Harold Jensen

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July 15.	Surfman W. D. Cjcho.....	Camp Pratt.....	Harry Miller
	Surfman W. D. Cacho.....	Camp Pratt.....	Frank Peterson
	Surfman W. D. Cacho.....	Camp Pratt.....	Eugene Ahren
	Surfman W. D. Cacho.....	Camp Pratt.....	Jas. Brown
	Surfman W. D. Cacho.....	Camp Pratt.....	Keith Wylie
16.	Surfman Chas. A. Dittberner..	Camp Pratt.....	Hutton Knight
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Paul S. Williams
17.	Surfman Chas. A. Dittberner..	Camp Pratt.....	P. Williams
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Jensen
	Surfman Chas. A. Dittberner..	Camp Pratt.....	E. A. Hern
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Scofield
	Surfman Chas. A. Dittberner..	Camp Pratt.....	E. Kille
	Surfman W. D. Cacho.....	Camp Pratt.....	Harry Scofield
	Surfman W. D. Cacho.....	Camp Pratt.....	Phillip Ketchem
	Surfman W. D. Cacho.....	Camp Pratt.....	Jas. Wiley
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harold S. Jensen
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Eugene Ahren
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Jas. McCullough
	Surfman Chas. A. Dittberner..	Camp Pratt.....	E. Kille
	Surfman Chas. A. Dittberner..	Camp Pratt.....	M. Ultmann
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harold B. Van Colt
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Knight
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Scofield Harvey
18.	Surfman Chas. A. Dittberner..	Camp Pratt.....	Frants Hine
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Eugene Ahearn
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Edward Kille
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Robert Brasenor
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Sullivan
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harold Swallow
	Captain E. S. Gropler.....	Camp Pratt.....	Thomas O'Keefe
	Captain E. S. Gropler.....	Camp Pratt.....	Burtrand Hoare
	Surfman Chas. A. Dittberner..	Camp Pratt.....	S. Michelson
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Christian Frank
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Bertram Hoare
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Otis Starkey
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Frants Hine
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Hutton Knight
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Edward Kelly
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harry Scofield
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Thomas O'Keefe
	Surfman Chas. A. Dittberner..	Camp Pratt.....	A. Schville
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harry Scofield
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Walter Mickewics
	Surfman Chas. A. Dittberner..	Camp Pratt.....	K. Wylie
20.	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harold White
	Captain E. T. Gropler.....	Camp Pratt.....	Leith Wylie
	Captain E. T. Gropler.....	Camp Pratt.....	Frants Hine
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Thomas O'Keefe
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Joseph Rentelkins
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Christen Frank
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Creattlander
	Captain E. T. Gropler.....	Camp Pratt.....	H. Swallow
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Robert Brasenor
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Edward Kille

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
July 20.	Captain E. T. Gropler.....	Camp Pratt.....	S. Lowe
	Surfman Chas. A. Dittberner..	Camp Pratt.....	J. Voege
21.	Surfman Chas. A. Dittberner..	Camp Pratt.....	Edward Kille
	Surfman Chas. A. Dittberner..	Camp Pratt.....	M. Kingaland
	Surfman Chas. A. Dittberner..	Camp Pratt.....	George Schville
	Surfman Chas. A. Dittberner..	Camp Pratt.....	M. Kingaland
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Quattlander
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Walter Mackiewics
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Harry Scofield
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Paul Williams
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Ernest Veren Kump
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Ed. Kille
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Howard Summer
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Keith Wylie
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner..	Camp Pratt.....	C. De Beauchamp
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Frank Christian
	Surfman Chas. A. Dittberner..	Camp Pratt.....	F. Sullivan
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Fred Hoffman
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Straub
22.	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Voege
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Howard Summer
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Quatlada
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Quatlada
	Surfman Chas. A. Dittberner..	Camp Pratt.....	E. Kille
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Billie Palmer
	Surfman Chas. A. Dittberner..	Camp Pratt.....	C. Kulberg
	Surfman Chas. A. Dittberner..	Camp Pratt.....	R. Johnston
	Surfman Chas. A. Dittberner..	Camp Pratt.....	A. White
	Surfman Chas. A. Dittberner..	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner..	Camp Pratt.....	W. Wiekovitch
	Surfman Chas. A. Dittberner..	Camp Pratt.....	N. Smith
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Carl H. Kulberg
	Surfman Chas. A. Dittberner..	Camp Pratt.....	J. Voege
	Surfman Chas. A. Dittberner..	Camp Pratt.....	R. Johnston
	Surfman Chas. A. Dittberner..	Camp Pratt.....	P. William
	Surfman Chas. A. Dittberner..	Camp Pratt.....	N. Thorton
	Surfman Chas. A. Dittberner..	Camp Pratt.....	E. De Danche
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Scofield
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Cuattlander
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Voege
	Surfman Chas. A. Dittberner..	Camp Pratt.....	H. Rieth
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Quattlander
	Captain E. T. Gropler.....	Camp Pratt.....	B. Quattlander
23.	Surfman Chas. A. Dittberner..	Camp Pratt.....	Howard Summer
	Surfman Chas. A. Dittberner..	Camp Pratt.....	John Voege
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Paul Salerno
	Captain E. T. Gropler.....	Camp Pratt.....	Wainwright Beard
	Surfman Adrain White.....	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittbernet..	Camp Pratt.....	E. DeBeauchamp
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Christian Frank
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Ed Kille
	Surfman Chas. E. Dittberner..	Camp Pratt.....	Christian Frank
	Surfman Chas. A. Dittberner..	Camp Pratt.....	Arthur Wilson
	Surfman Chas. A. Dittberner..	Camp Pratt.....	B. Quattlander

Date 1919	Members rendering "first aid"	Place where	Persons assisted
July	23. Captain E. T. Gropler.....	Camp Pratt.....	Russel Decker
	Surfman Chas. A. Dittberner...	Camp Pratt.....	H. Reath
	Surfman Chas. A. Dittberner...	Camp Pratt.....	B. Quattlander
	24. Surfman Chas. A. Dittberner...	Camp Pratt.....	Arthur Wilson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Albert Schville
	Surfman Chas. A. Dittberner...	Camp Pratt.....	R. Johnston
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Bertrand Hoake
	Captain E. T. Gropler.....	Camp Pratt.....	Harry Scofield
	Captain E. T. Gropler.....	Camp Pratt.....	J. Sausa
	Captain E. T. Gropler.....	Camp Pratt.....	E. DeBeauchamp
	Captain E. T. Gropler.....	Camp Pratt.....	B. Quattlander
	Captain E. T. Gropler.....	Camp Pratt.....	J. Sausa
	25. Surfman W. D. Cacho.....	Camp Pratt.....	Fred Hoffman
	28. Surfman W. D. Cacho.....	Camp Pratt.....	Frants Hine
	Surfman W. D. Cacho.....	Camp Pratt.....	Fred Sands
	Surfman W. D. Cacho.....	Camp Pratt.....	Vincent DeMarco
	Surfman W. D. Cacho.....	Camp Pratt.....	Chas. Fernald
	26. Surfman J. E. Fries.....	Camp Pratt.....	David Josephson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	B. Quattlander
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Christian Frank
	Captain E. T. Gropler.....	Camp Pratt.....	E. T. Gropler
	27. Surfman Chas. A. Dittberner...	Camp Pratt.....	B. Hoare
	Surfman Chas. A. Dittberner...	Camp Pratt.....	F. Hine
	Surfman Chas. A. Dittberner...	Camp Pratt.....	William Kregelob
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Arthur Wilson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Ralph Fraie
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Peter Mazoillo
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Voegel
	Surfman Chas. A. Dittberner...	Camp Pratt.....	W. Beard
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John W. Thiele
	Surfman Chas. A. Dittberner...	Camp Pratt.....	E. Suffel
	Captain Ernest E. Gropler.....	Camp Pratt.....	Walter Riley
	28. Surfman Chas. A. Dittberner...	Camp Pratt.....	E. Veren Kaunf
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Thomas O'Keefe
	Surfman Chas. A. Dittberner...	Camp Pratt.....	H. Sumner
	Surfman Chas. A. Dittberner...	Camp Pratt.....	William Kiegelot
	29. Surfman J. Fries.....	Camp Pratt.....	Fred Hoffman
	Captain Ernest T. Gropler.....	Camp Pratt.....	Payson Brown
	Captain Ernest T. Gropler.....	Camp Pratt.....	Frants F. e
	Surfman J. Fries.....	Camp Pratt.....	B. Quattlander
	Surfman J. Fries.....	Camp Pratt.....	Wm. Kregelob
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Watson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	M. Altman
	30. Surfman Chas. A. Dittberner...	Camp Pratt.....	Ray Ranges
	Surfman Chas. A. Dittberner...	Camp Pratt.....	C. Suffel
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Charles Schmidt
Aug.	Surfman Chas. A. Dittberner...	Camp Pratt.....	M. Altman
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Irving Skinner
	1. Surfman Chas. A. Dittberner...	Camp Pratt.....	Richard Sydan
	Surfman Chas. A. Dittberner...	Camp Pratt.....	A. Wilson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	M. Layne
	Surfman Chas. A. Dittberner...	Camp Pratt.....	R. Farmland
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Jos. Runteler
	2. Surfman Chas. A. Dittberner...	Camp Pratt.....	Franklin Peterson
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Billie Kugelob
	Surfman J. E. Fries.....	Camp Pratt.....	Christian Frank
	Surfman J. E. Fries.....	Camp Pratt.....	Harry Miller
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Raymond Ranges
	Surfman Chas. A. Dittberner...	Camp Pratt.....	E. Suffel
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Arthur Wilson

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Date 1919	Members rendering "first aid"	Place where	Persons assisted
Aug. 2.	Surfman Chas. A. Dittberner...	Camp Pratt.....	H. Pep
3.	Surfman W. D. Cacho.....	Camp Pratt.....	Harry Miller
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Jockin Bausili
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Wood
	Surfman Thos. E. Fenton.....	Camp Pratt.....	Stanley H. Wood
4.	Surg. Mate Bob Howe.....	Camp Pratt.....	H. Corbett
5.	Surfman Chas. A. Dittberner...	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner...	Camp Pratt.....	William Kregalob
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Edward Suffel
6.	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Voegel
	Surfman Chas. A. Dittberner...	Camp Pratt.....	William Smith
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Irving Skinner
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Christian Frank
7.	Surfman Chas. A. Dittberner...	Camp Pratt.....	Irving Skinner
8.	Thos. E. Fenton.....	Camp Pratt.....	A. Willenbrock
9.	Surfman Chas. A. Dittberner...	Camp Pratt.....	Paul Brown
	J. J. Withner.....	Camp Pratt.....	Michael Wolesko
	J. J. Withner.....	Camp Pratt.....	James Brown
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Irving Skinner
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Albert Ebville
10.	J. J. Withner.....	Camp Pratt.....	John Stood
	J. J. Withner.....	Camp Pratt.....	T. Hutton Knight
	J. J. Withner.....	Camp Pratt.....	Paul Brown
	J. J. Withner.....	Camp Pratt.....	Herbert Haase
	J. J. Withner.....	Camp Pratt.....	Albert Schville
	Surfman Chas. A. Dittberner...	Camp Pratt.....	B. Quattlander
	Surfman Chas. A. Dittberner...	Camp Pratt.....	R. Beasnor
	Surfman Chas. A. Dittberner...	Camp Pratt.....	D. Taylor
	Surfman Chas. A. Dittberner...	Camp Pratt.....	F. Kaiser
	Surfman Chas. A. Dittberner...	Camp Pratt.....	James Brown
	Captain E. T. Gropler.....	Camp Pratt.....	Cook
12.	Surfman Chas. A. Dittberner...	Camp Pratt.....	F. Sands
	Surfman Chas. A. Dittberner...	Camp Pratt.....	M. Waleski
	Surfman Chas. A. Dittberner...	Camp Pratt.....	B. Quattlander
14.	Surfman Chas. A. Dittberner...	Camp Pratt.....	Fred Hoffman
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Adrain White
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Irving Skinner
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Nelson Page
15.	Surfman Chas. A. Dittberner...	Camp Pratt.....	D. Taylor
	Surfman Chas. A. Dittberner...	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner...	Camp Pratt.....	K. Wyle
17.	Surfman Chas. A. Dittberner...	Camp Pratt.....	William Fugelob
	Surfman Chas. A. Dittberner...	Camp Pratt.....	F. Hine
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Henry Straub
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Chas. Schwitzer
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Chas. Schenkel
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Paul Williams
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Christian Frank
	Surfman Chas. A. Dittberner...	Camp Pratt.....	E. Pulley
	Surfman Chas. E. Dittberner...	Camp Pratt.....	Irving Hansen
	Surfan Chas. A. Dittberner...	Camp Pratt.....	John Wood
	Surfman Chas. A. Dittberner...	Camp Pratt.....	Henry Straub
19.	Captain Ernest T. Gropler.....	Camp Pratt.....	Hutton Knight
	Captain Ernest T. Gropler.....	Camp Pratt.....	Thomas O'Keefe
	Captain Ernest T. Gropler.....	Camp Pratt.....	Louis Topper
	Captain Ernest T. Gropler.....	Camp Pratt.....	E. Kille
	Captain Ernest E. Gropler.....	Camp Pratt.....	Charles McLoughlin
21.	Captain Ernest T. Gropler.....	Camp Pratt.....	Everett Debauchkamp
	Captain Ernest T. Gropler.....	Camp Pratt.....	James Carew

Date 1919	Members rendering " first aid "	Place where	Persons assisted
Aug	21. Captain Ernest T. Gropler.....	Camp Pratt	Raymond Shephard
	Captain Ernest T. Gropler.....	Camp Pratt	Charles Pitman
	Captain Ernest T. Gropler.....	Camp Pratt	Arthur Gelston
	Captain Ernest T. Gropler.....	Camp Pratt	Henry Straub
	Captain Ernest T. Gropler.....	Camp Pratt	James Brown
	Captain Ernest T. Gropler.....	Camp Pratt	Jack Forward
	Captain Ernest T. Gropler.....	Camp Pratt	F. Hoffman
	Captain Ernest T. Gropler.....	Camp Pratt	Christian Frank
	22. Captain Ernest T. Gropler.....	Camp Pratt	John Wood, Jr.
	Captain Ernest T. Gropler.....	Camp Pratt	Preston Mears
June	Surfman Chas. A. Dittberner...	Camp Pratt	John Wood
	23. Captain Ernest T. Gropler.....	Camp Pratt	Arthur Foster
	24. Surfman Chas. A. Dittberner...	Camp Pratt	Ernest T. Gropler
	4. Surfman W. Chapman	Raritan Bay Park	C. Jensen
	8. Surfman W. Chapman	Raritan Bay Park	Rudolph Hoehn
	Surfman L. Chapman	Raritan Bay Park	D. McCarthy
	14. Coxswain C. J. Harris.....	Raritan Bay Park	Philip Leventon
	15. Surg. Mate L. J. Engel, Jr.	Raritan Bay Park	L. I. Gibb
	Surg. Mate L. J. Engel, Jr.	Raritan Bay Park	P. Hasmund
	21. Surfman Jack Forrest.....	Raritan Bay Park	John Copeland
July	22. Surfman Philip Leventon	Raritan Bay Park	Philip Leventon
	Jr. Lieut. H. E. Schuler.....	Raritan Bay Park	E. A. Price
	Surg. Mate F. W. Engel.....	Raritan Bay Park	Geo. Kayser
	23. Coxswain C. J. Harris.....	Raritan Bay Park	Paul Wasmund
	25. Surfman Geo. Kayser.....	Raritan Bay Park	C. Harris
	26. Surfman Geo. Kayser.....	Raritan Bay Park	F. Levinson
	30. Coxswain C. J. Harris.....	Raritan Bay Park	J. Knab
	2. Surfman C. Eathy.....	Raritan Bay Park	Unknown
	Irving Zifers	Raritan Bay Park	Francis Welsh
	Irving Zifers	Raritan Bay Park	Joseph Boettcher
Aug.	4. Wm. Hughes	Raritan Bay Park	Wm. Hughes
	F. Eggerson	Raritan Bay Park	F. Gamberdella
	Surfman Phil Levinson.....	Raritan Bay Park	Phil Levinson
	5. Surg. Mate G. Engel.....	Raritan Bay Park	Jas. Caffery
	Irving Zifers	Raritan Bay Park	Unknown
	Surfman Phil Levinson.....	Raritan Bay Park	Phil Levinson
	13. Boatswain D. Whitaker.....	Raritan Bay Park	Geo. Kun
	24. Boatswain D. Whitaker.....	Raritan Bay Park	Elwin Hughes
	25. Surfman F. Eggersman.....	Raritan Bay Park	L. Lockwood
	26. Surfman F. Eggersman.....	Raritan Bay Park	W. Esipkee
Sept.	27. Surfman Chapman.....	Raritan Bay Park	F. Simmer
	Aux Moore.....	Raritan Bay Park	Glenn Moore
	3. Surfman Frank Riden.....	Raritan Bay Park	Roland Levan
	4. Hartley Derrich.....	Raritan Bay Park	Douglas McCarthy
	5. Hartley Derrich.....	Raritan Bay Park	Douglas McCarthy
	12. W. Chapman.....	Raritan Bay Park	W. Chapman
	13. H. Dertich.....	Raritan Bay Park	Douglas McCarthy
	16. Commodore L. Rauschkolb.....	Raritan Bay Park	Helen Sisler
	24. W. Chapman.....	Raritan Bay Park	Louis Kaas
	29. W. Chapman.....	Raritan Bay Park	A. Geifer
Sept.	31. Commodore L. Rauschkolb.....	Raritan Bay Park	Unknown
	1. Surfman E. H. Buechele.....	Raritan Bay Park	Carlin Krogh
	Boatswain D. Whittaker.....	Raritan Bay Park	Ortis Blanford
	Surfman F. Eggersman.....	Raritan Bay Park	L. Norton

RESCUES

ST. GEORGE DIVISION

Date 1919	Members making rescues	Place where	Persons rescued
Jan. 27.	Surfman Jas. Smith.....	St. George Division.....	Wm. B. Garratson
Feb. 24.	C. H. Hall.....	St. George Division.....	Hans Ulrich
July 6.	Harmon McGarvey.....	St. George Division.....	Samuel Cerso
Sept. 21.	J. McCaffery.....	St. George Division.....	Chas. Halt Edward Miller

SOUTH BEACH

June 14.	Commodore G. Garnett.....	South Beach.....	Four year old child
20.	Surfman Conway.....	South Beach.....	Mrs. Doe
22.	Commodore G. Garnett.....	South Beach.....	Ernest Marrotte
	Surfman C. Crane.....		
	Surfman J. Curley.....		
	Surfman J. Dickson.....		
	Surfman J. Conway.....		
40.	Surfman W. B. Stephens.....	South Beach.....	Jennie Diamond
July 27.	A. Rriemann.....	South Beach.....	Boy
28.	H. Bangs.....	South Beach.....	Ernest Mariotte
Aug. 3.	Sr. Lieut. Albert Reiman.....	South Beach.....	B. Duilie
24.	Surfman George O'Brien.....	South Beach.....	James Mulligan
27.	Commodore G. Garnett.....	South Beach.....	John Kothway
	Captain A. Newill.....		

OCEAN EDGE

July 6.	Surfman William McCall.....	Ocean Edge.....	Margaret Brenning
22.	Captain C. S. Pekar.....	Ocean Edge.....	Unknown lady
24.	Surfman H. Luroott.....	Ocean Edge.....	Unknown boy
25.	Surfman H. Luroott.....	Ocean Edge.....	Unknown lady
26.	Surfman A. Nacht.....	Ocean Edge.....	Billie Murray
26.	Coxswain Peter O'Connor.....	Ocean Edge.....	Two unknown girls
Aug. 3.	Walter Hansen and S. Ensttohl.	Ocean Edge.....	Unknown man

RARITAN BAY PARK

June 1.	Aux. Surfman W. Chapman....	Raritan Bay Park.....	Ben Cole
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PERSONS ASSISTED

SOUTH BEACH

District No. 16

Date 1919	Members giving assistance	Place where	Persons assisted
June 29.	Surfman L. Smith.....	South Beach, district No. 16	John Lamentia
July 4.	Surfman L. Tournem.....	South Beach, district No. 16	Carther Sisco
July 5.	Surfman J. E. Dickson.....	South Beach, district No. 16	Several people
Oct. 24.	Captain C. H. Hall.....	Municipal Ferry.....	Tonney Antilia
27.	Surfman Jas. Smith.....	Dist. 16, St. George, S. I. . .	David Morrall
Nov. 3.	Captain C. H. Hall.....	Dist. 16, St. George, S. I. . .	William Rohrig
5.	Captain C. H. Hall.....	Dist. 16, St. George, S. I. . .	John W. Maher
7.	Surfman Harry Glum.....	Dist. 16, St. George, S. I. . .	C. W. Carney
10.	Captain C. H. Hall.....	Dist. 16, St. George, S. I. . .	Peter Voadeck
11.	Captain C. H. Hall.....	Dist. 16, St. George, S. I. . .	Joseph Levy

CAMP PRATT

July 9.	Surfman Boyson.....	Camp Pratt.....	Mr. Higg
	Surfman Boyson.....	Camp Pratt.....	Bielefield
Nov. 26.	Surfman Adrain Kimber.....	Camp Pratt.....	John Koster

BOATS ASSISTED

SOUTH BEACH

DISTRICT No. 16

Date 1919	Members giving assistance	Place where	Boats assisted
June 10.	Surfman F. H. Verbeck.....	South Beach, district No. 16	Motorboat "Chap"
	6. Surfman J. Conway.....	South Beach, district No. 16	Canoe (2 men)
	Surfman H. LeTourneur.....		
	Surfman R. Jamieson.....		
Sept. 1.	Surfman R. Jamieson.....	South Beach, district No. 16	Motorboat "Madge"
	Surfman Geo. Neivell.....		
	Surfman J. Dickson.....		
	Surfman M. B. Stephens.....		

OCEAN EDGE

July 8.	J. Hopper.....	Ocean Edge.....	Motorboat
	Wm. Walsh.....		
	H. Morris.....		
	P. O'Connor.....		

CAMP PRATT

June 8.	Surfman W. Cocho.....	Camp Pratt.....	Canoe (2 people)
	Captain E. Gropler.....		
	15. W. Sticht.....	Camp Pratt.....	Canoe
	Surfman W. Cocho.....		
	22. Captain E. Gropler.....	Camp Pratt.....	Motorboat (2 persons)
July 9.	Surfmen Boyson, Boanic, White	Camp Pratt.....	Boat
Aug. 24.	Captain E. Gropler.....	Camp Pratt.....	Rowboat (3 persons)

RARITAN BAY PARK

17.	George Kayser.....	Raritan Bay Park.....	Motorboat
	Robert Kayser.....		
21.	Lieut. Kayser, Lieut. Schule.	Raritan Bay Park.....	Canoe (2 persons)
	Surfman Hinton.....		
	Aux. La Forge, Jones and Moore	Raritan Bay Park.....	Motorboat

BODIES REMOVED

SOUTH BEACH

DISTRICT No. 16

Date 1919	Members giving assistance	Place where	Bodies removed
July 5.	G. Garnett.....	South Beach, district No. 16	J. Doe

OCEAN EDGE

Aug. 8.	Theo. Crews.....	Ocean Edge.....	Unknown young woman
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WRECKAGE

SOUTH BEACH

DISTRICT No. 16

Date 1919	Members giving assistance	Place where	Wreckage removed
June 20.	Surfmen Conway, Curley and Dickson.....	South Beach, district No. 16	Two barrels of glass

OCEAN EDGE

Date 1919	Member given assistance	Place where	Wreckage removed
June	1. Coxswain P. O'Connor.....	Ocean Edge.....	Two poles, etc.
July	14. Coxswain H. Carl.....	Ocean Edge.....	Glass

RARITAN BAY PARK

June	1. Jr. Lieut. H. E. Schuler.....	Raritan Bay Park.....	Glass, etc.
	14. Surg. Mate Engle.....		
	Jr. Lieut. Schuler.....	Raritan Bay Park.....	Old boat
	Surfman Chapman.....		
	Surfman Struckler.....		

**STATION ATTENDANCE AS SHOWN BY WEEKLY REPORTS
ON FILE AT HEADQUARTERS NEW YORK CITY
DEPARTMENT OF THE U. S. VOL. LIFE SAVING
CORPS.**

Manhattan:

1 Red Wing Boat Club.....	1,777
2 Allen Point Yacht Club.....	290
3 Queensboro Bridge.....	4,326
4 Cygnet Boat Club.....	4,038
5 Harlem.....	547
6 Riverside.....	1,430
7 Headquarters.....	603
8 Riverdale.....	138

Total.....	13,149
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Brooklyn:

1 Gravesend.....	648
2 Washington.....	588
3 Dreamland.....	521
4 Parkway.....	44
5 Thais.....	809
6 Plum Beach.....	652
7 Drifter Boat Club.....	893
8 Dyker Beach.....	599
9 Central Y. M. C. A.....	298
10 Steeplechase.....	588

Total.....	5,640
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Bronx:

1 Port Morris.....	3,380
2 Barretto Point.....	464
3 Hunters Island.....	1,205
4 Bronx County Yacht Club.....	1,204
5 Bronx Union Y. M. C. A.....	191
6 Bronx Aquatic and Recreation Club.....	754

Total.....	7,198
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Queens:

1 Whitestone.....	428
2 Hell Gate.....	1,253
3 Rockaway Point (Cove).....	351
4 Rockaway Point (Beach).....	317
5 Rockaway Point (Point).....	102
6 Howard Beach.....	242
7 Pleasant Point, Old Mill.....	229
8 Broad Channel.....	64

Total.....	2,986
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Richmond:

1 South Beach.....	837
2 Southfield Beach.....	525
3 Ocean Edge.....	1,170
4 Raritan Bay Park.....	760
5 Woodland Beach.....	62
6 Mt. Loretto.....	683
7 Ocean Breeze.....	445
8 Camp Pratt.....	373

Total.....	4,855
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Total of all Boroughs.....	33,828
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NEW YORK CITY APPROPRIATION 1919 UNITED STATES VOLUNTEER LIFE SAVING CORPS.

Personal service:

1790. Salaries regular employees:

Supervisor (Volunteer Life Saving Corps).....	\$1,600 00
Secretary.....	1,540 00
Junior typist.....	760 00

Total personal service..... \$3,900 00

Supplies:

1792. Office supplies.....	\$200 00
1793. Medical and surgical supplies.....	300 00
1794. Other supplies.....	165 00

Total supplies..... 665 00

Equipment:

1795. Medical and surgical equipment.....	\$100 00
1797. General plant equipment.....	1,000 00

Total equipment..... 1,100 00

Materials..... 500 00

Contract or open order service:

1799. Repairs and replacements.....	\$200 00
1800. Transportation.....	100 00

Total contract or open order service..... 300 00

1801. Contingencies..... 150 00

Departmental total..... \$6,615 00

Statement of the Condition as at the Close of Business (Close of Year 1919) of all Appropriation Accounts for the Current Year.

Code number	TITLE OF ACCOUNT	Appropriation, including transfer (if any) by board of estimate and apportionment	Net funds available	Net vouchers registered, based on cancellations and adjustments	Unexpended balances	Unencumbered balances
1790-1919	Salaries, regular employees:					
1790-1919	Supervisor.....	*\$1,599 84	\$1,599 84	\$1,599 84	.....	.....
1790-1919	Secretary.....	* 1,539 84	1,539 84	1,539 84	.....	.....
1790-1919	Junior typist.....	* 728 18	728 18	728 18	.....	.....
1792-1919	Supplies:					
1792-1919	Office supplies.....	200 00	200 00	200 00	.....	.....
1793-1919	Medical and surgical supplies.....	300 00	300 00	300 00	.....	.....
1794-1919	Other supplies.....	165 00	165 00	165 00	.....	.....
1795-1919	Equipment:					
1795-1919	Medical and surgical equipment.....	100 00	100 00	100 00	.....	.....
1797-1919	General plant equipment.....	1,000 00	1,000 00	1,000 00	.....	.....
1798-1919	Materials.....	500 00	500 00	500 00	.....	.....
1798-1919	Contract or open service — repairs and replacements.....	200 00	200 00	200 00	.....	.....
1800-1919	Contract or open order — transportation.....	100 00	100 00	99 99	01	\$1
1801-1919	Contingencies.....	150 00	150 00	149 80	20	20
	Total.....	\$6,582 86	\$6,582 86	\$6,582 65	\$0 21	\$0 21

* By resolution of Board of Estimate and Apportionment, December 30, 1919.

PROFICIENCY TEST
of the
New York City Department of the United States Volunteer Life
Saving Corps
Instruction in Life Saving Methods
Instruction in Buoy Throwing
Instruction in Resuscitation

Use of Lungmotor, Use of Pulmotor, Knot Splicing, Knot Tying. Instruction in these subjects will be given at headquarters.

TEST

1 — Under water swim, 35 feet.....	.05
2 — Show three breaks	
a. Front strangle .....	.05
b. Back strangle .....	.05
c. Around both shoulders.....	.05
	<hr/>
Total .....	.15
3 — Demonstrate the method of breaking the front strangle hold when rescue is made by the third party. This must be shown in such a way that neither party can grasp the rescuer.....	.05
4 — Swim	
a. Sixty feet, using back stroke with hands out of water .....	.04
b. Sixty feet, using side stroke, one arm only .....	.04
c. Sixty feet, using breast stroke.....	.02
	<hr/>
Total .....	.10
5 — Swim	
a. Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use side carry) .....	.10
b. Sixty feet, dressed in trousers, coat and shoes. Then pick up and carry man of equal weight back forty feet (use back carry) .....	.10
	<hr/>
Total .....	.20
6 — Swim sixty feet, dive from surface to bottom and bring up a weight of ten pounds. Swim ten feet, carrying weight .....	.05

7 — Throw a nineteen-inch life ring with sixty-five feet of line over a mark and between two uprights six feet apart placed forty feet from starting mark. Record and make three throws in stated time (for each perfect throw .05).	
Total .....	.15
8 — Resuscitation, Schaefer method.....	.15
9 — Splicing and knot-tying.....	.10

This test is not compulsory and only members are allowed to take same.

Members must show membership card before being admitted to classes.

All tests for water-work must be taken on the same evening.

Each member passing the proficiency test with 75 per cent will receive a proficiency medal.

The record of each man winning a medal will be kept at headquarters.

JOINING THE UNITED STATES VOLUNTEER LIFE-SAVING CORPS.

Department of the City of New York.

The Corps offers facilities for actual Life-Saving and First Aid Work, Swimming, Boat Practice, Medical Instructions, Signalling, and Healthy Life in the Open.

The United States Volunteer Life-Saving Corps is formed to save life from drowning by the following means:

1. Establishing volunteer crews at water front danger points where there is no government life-saving station.
2. Giving instructions in swimming, boat handling, rescuing and resuscitating the apparently drowned, first aid to the injured, signalling, etc.
3. Providing life-saving apparatus and means to save life with the least risk on the part of the rescuer.
4. Erecting suitable life-saving and emergency stations.
5. Presenting medals and awards for heroic rescues or attempts at rescue.
6. Preserving records of heroic acts and faithful service in the Corps.
7. Giving exhibitions of work in rescue, resuscitation, and all sorts of "first aid" and relief work for public instruction.
8. Promoting improvements and inventions of life-saving appliances and equipment.

The Water Test Before Enlistment.

A. Applicants for membership must swim at least 100 yards without the help of tide or current.

B. In order to facilitate recovering a drowned person quickly the applicant must go down from the surface in seven to ten feet of water and bring up a given object. Officers must bring up a weight.

C. The candidate is required to carry a person near his own weight, by three of the six carries taught by the Corps (in deep water), while swimming twenty yards.

D. The candidate must demonstrate in deep water the method of breaking three of the six death grip holds taught by the Corps.

E. He must inquire into and perfect himself in the Schaefer method of resuscitation of the apparently drowned.

Commissioned officers must hold themselves ready for a quiz on resuscitation at any time, and to protect their commission hold a "first aid" certificate of fitness to render assistance to the injured.

To Join the Corps.

The requirements are for males, 18 years or over, in sound health, who shall apply, pass the water-work test, enlist and be accepted by a recognized station. The enlistment, with the endorsement of the examining board and the station commander, is forwarded to headquarters, when a numbered acknowledgment card and a membership button (celluloid) is issued without charge. The member can then purchase and wear while a member the badge and bathing emblem of his rank on requisition to headquarters of his commander.

Members of all Corps, house or tent stations are required to provide themselves with the white sailor suit and the Corps emblem on the bathing suit to render full efficiency. No dues are required for membership in the United States Life-Volunteer Saving Corps.

The Corps has a uniform bathing suit of black, with a red band over the right shoulder and under the left arm, which serves to identify members in a crowd. They can be obtained in cotton or wool, and in one or two pieces.

The Duties of a Member of the Corps.

A. Each surfman while on duty, be it shore or boat, drills or parade, meeting or class, must obey the orders of his commanding officers.

B. Must abide by all the rules and regulations of the Corps.

C. Report for duty promptly at the times and places assigned him for compulsory duty and compulsory drill.

D. Must live up to his obligation as a life-saver to the best of his ability.

E. Must serve the full period of his enlistment (two years), unless resigning for good reason (in writing to proper officers).

F. Keep his commanding officer informed of his address, for station and headquarters.

G. May exchange stations by means of written request, if acceptable to both commanders.

H. On all occasions he must yield a ready and cheerful obedience to those placed over him; be attentive to his duties, avoid difficulties with other members, and by his conduct and zeal endeavor to promote the efficiency of the entire Corps and further its humanitarian work.

N. B.—Compulsory duty assignments come only in free time, Sundays and holidays, or in event of stupendous disaster.

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